



Miltenyi Biotec

# Stem cell products

Product list

September 1, 2011

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Sample preparation

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Cell separation

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Cell culture

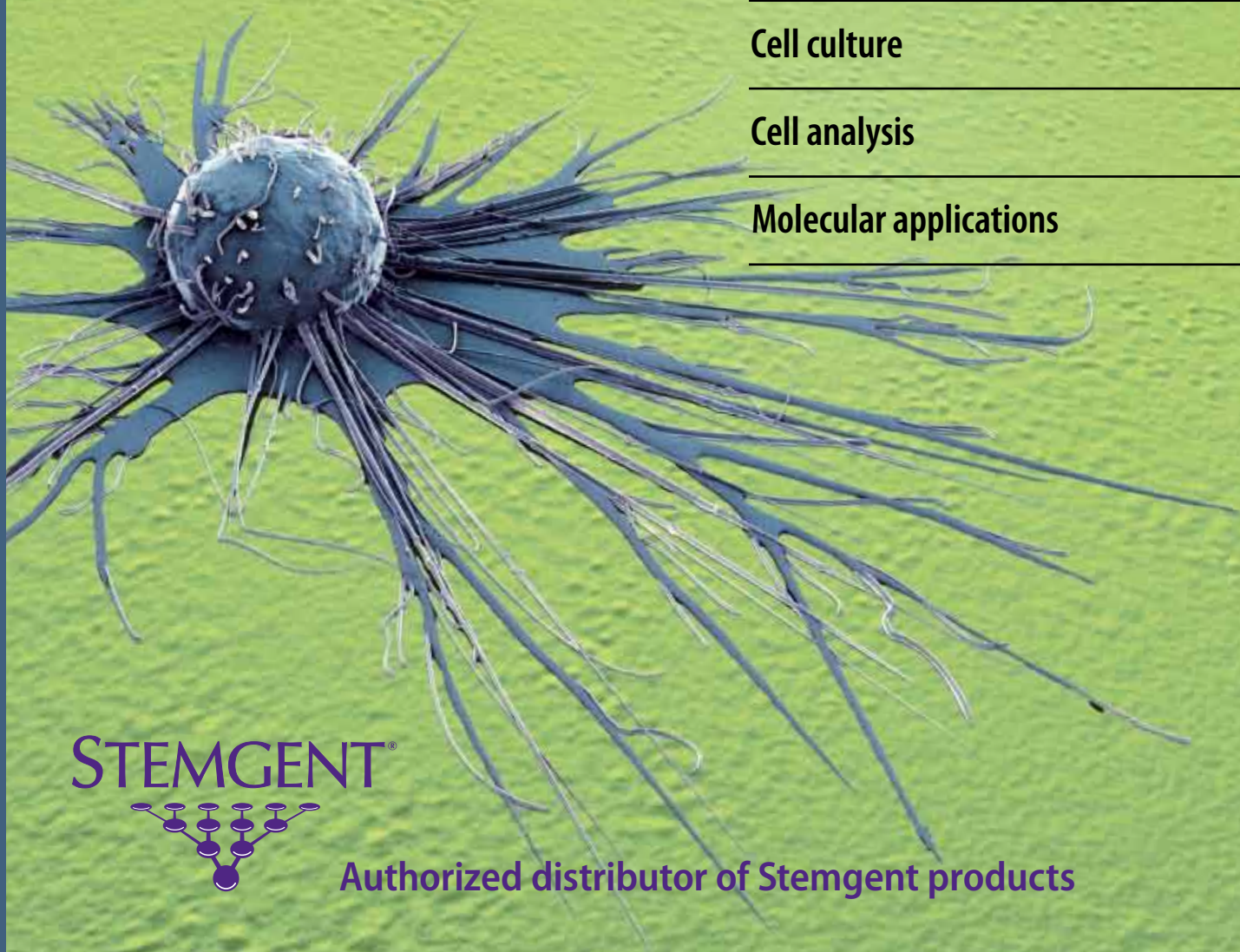
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Cell analysis

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Molecular applications

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### Footnotes

\* This product is not distributed by Miltenyi Biotec in the USA and Israel.

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- 1) One test corresponds to fluorescent labeling of up to  $10^7$  cells in a total volume of 100  $\mu$ L.
- 2) One test corresponds to fluorescent labeling of up to  $10^6$  cells in a total volume of 100  $\mu$ L.
- 3) One test corresponds to labeling of up to  $10^6$  cells in a total volume of 100  $\mu$ L.
- 4) One test corresponds to labeling of up to  $10^7$  cells in a total volume of 100  $\mu$ L.
- 5) One test corresponds to fluorescent labeling of  $10^6$  cells in a final volume of 100  $\mu$ L.
- 6) One test corresponds to the analysis of  $1 \times 10^6$  total cells.
- 7) One test corresponds to 20.5 mL whole blood, cord blood or bone marrow or to  $2 \times 10^8$  white blood cells for leukapheresis product.
- 8) Not recommended for cells that are labeled with MACS MicroBeads using the same antigen.

## Content

### Innovative solutions for your workflow in stem cell research

Miltenyi Biotec provides you with solutions and services for each step of your daily workflow – from standardized sample preparation, through rapid stem cell isolation and culture, to sophisticated cellular and molecular analyses.

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## Sample preparation

Product	Description	Capacity/Content/Components	Order no.
<b>C Tubes</b>	gentleMACS Tubes for the dissociation of tissues to obtain single-cell suspensions	25 tubes (sterile and single-packed)	130-093-237
<b>C Tubes</b>	gentleMACS Tubes for the dissociation of tissues to obtain single-cell suspensions	100 tubes (sterile packed as 4×25 tubes)	130-096-334
<b>Dead Cell Removal Kit</b>	Depletion of dead cells	for 1×10 <sup>9</sup> total cells	130-090-101
<b>Embryoid Body Dissociation Kit, human and mouse</b>	Preparation of single-cell suspensions from embryoid bodies; for use with the gentleMACS Dissociator	for 50 preparations	130-096-348
<b>gentleMACS Starting Kit</b>	Benchtop instrument for the automated dissociation or homogenization of tissues	M Tubes C Tubes gentleMACS Dissociator user manual Power cord gentleMACS Dissociator	130-093-235
<b>M Tubes</b>	gentleMACS Tubes for the homogenization of tissues or cells to isolate biomolecules	25 tubes (sterile and single-packed)	130-093-236
<b>M Tubes</b>	gentleMACS Tubes for the homogenization of tissues or cells to isolate biomolecules	100 tubes (sterile packed as 4×25 tubes)	130-096-335
<b>M Tubes with Strainer</b>	gentleMACS Tubes with Strainer for the homogenization of tissues	50 tubes	130-094-392
<b>MACSmix Tube Rotator</b>	Tube rotator working independently of a permanent power supply	MACSmix Tube Rotator Power supply Rechargeable NiMH batteries, type AA Screwdriver Small rack for tubes from 0.5 mL to 2 mL in size Large rack for tubes from 5 mL to 50 mL in size User manual	130-090-753
<b>Pre-Separation Filters, 30 µm</b>	Filters for the removal of cell clumps	50 filters	130-041-407
<b>Red Blood Cell Lysis Solution (10×)</b>	Lysis of human or rodent erythrocytes	50 mL	130-094-183
<b>Tumor Dissociation Kit, human</b>	Gentle and effective dissociation of human tumor tissue into single-cell suspensions	for 25 preparations	130-095-929

For footnotes refer to section important notices

## Cell separation reagents • Human

Product	Description	Capacity/Content/Components	Order no.
A2B5 <b>Anti-A2B5 MicroBeads, human, mouse, rat</b>	Isolation of human, mouse, rat A2B5 <sup>+</sup> glial progenitor cells	for 1×10 <sup>9</sup> total cells	130-093-388
CD11b <b>CD11b MicroBeads, human and mouse</b>	Positive selection or depletion of myeloid cells, depletion of NK cells, B-1 cells, and certain subsets of dendritic cells	for 1×10 <sup>9</sup> total human cells or 2×10 <sup>9</sup> total mouse cells	130-049-601
CD20 <b>CD20 MicroBeads, human</b>	Positive selection of CD20 <sup>+</sup> cancer stem cells from human melanoma	for 1×10 <sup>9</sup> total cells	130-091-104
CD24 <b>CD24 MicroBead Kit, human</b>	Isolation of human cancer stem cells	for 1×10 <sup>9</sup> total cells	130-095-951
CD31 <b>CD31 MicroBead Kit, human</b>	Positive selection or depletion of human endothelial cells	for 1×10 <sup>9</sup> total cells	130-091-935

For footnotes refer to section important notices

	Product	Description	Capacity/Content/Components	Order no.
CD34	<b>CD34 MicroBead Kit, human</b>	Positive selection of human hematopoietic stem and progenitor cells	for 2×10 <sup>9</sup> total cells	130-046-702
CD34	<b>CD34 MicroBead Kit, human</b>	Positive selection of human hematopoietic stem and progenitor cells	for 1×10 <sup>10</sup> total cells	130-046-703
CD34	<b>CD34 MultiSort Kit, human</b>	Isolation of human CD34 <sup>+</sup> cell subsets	for 2×10 <sup>9</sup> total cells	130-056-701
CD34	<b>Diamond CD34 Isolation Kit, human</b>	Positive selection of human Lin <sup>-</sup> CD34 <sup>+</sup> stem cells	for 2×10 <sup>9</sup> total cells	130-094-531
CD34	<b>Indirect CD34 MicroBead Kit, human</b>	Positive selection of human hematopoietic stem and progenitor cells	for 2×10 <sup>9</sup> total cells	130-046-701
CD38	<b>CD38 MicroBead Kit, human</b>	Enrichment of hematopoietic stem and progenitor cells by depletion of CD38 <sup>+</sup> cells	for 1×10 <sup>9</sup> total cells	130-092-263
CD44	<b>CD44 MicroBeads, human</b>	Isolation or depletion of CD44 <sup>+</sup> cells	for 1×10 <sup>9</sup> total cells	130-095-194
CD45	<b>CD45 MicroBeads, human</b>	Positive selection or depletion of human leukocytes	for 1×10 <sup>9</sup> total cells	130-045-801
CD90	<b>CD90 MicroBeads, human</b>	Isolation or depletion of CD90 <sup>+</sup> human cells, e.g., cancer stem cells, MSCs	for 1×10 <sup>9</sup> total cells	130-096-253
CD105	<b>CD105 MicroBeads, human</b>	Positive selection of human mesenchymal stromal cells (MSCs) from bone marrow; positive selection or depletion of human endothelial cells	for 1×10 <sup>9</sup> total cells	130-051-201
CD117	<b>CD117 MicroBead Kit, human</b>	Positive selection of human CD117 (c-kit) <sup>+</sup> cells	for 2×10 <sup>9</sup> total cells	130-091-332
CD133	<b>CD133 MicroBead Kit, human</b>	Positive selection of human stem and progenitor cells	for 2×10 <sup>9</sup> total cells	130-050-801
CD133	<b>Diamond CD133 Isolation Kit, human</b>	Positive selection of human Lin <sup>-</sup> CD133 <sup>+</sup> stem cells	for 2×10 <sup>9</sup> total cells	130-094-913
CD133	<b>Indirect CD133 MicroBead Kit, human</b>	Positive selection of human stem and progenitor cells	for 2×10 <sup>9</sup> total cells	130-091-895
CD146	<b>CD146 MicroBead Kit, human</b>	Positive selection or depletion of human CD146 <sup>+</sup> endothelial and perivascular cells	for 1×10 <sup>9</sup> total cells	130-093-596
CD271	<b>CD271 MicroBead Kit (APC), human</b>	Positive selection of human mesenchymal stromal cells (MSCs)	for 1×10 <sup>9</sup> total cells	130-092-283
CD271	<b>CD271 MicroBead Kit (PE), human</b>	Positive selection of human mesenchymal stromal cells (MSCs)	for 1×10 <sup>9</sup> total cells	130-092-819
CD271	<b>MSC Research Tool Box – CD271 (APC), human</b>	Kit for the isolation and optimized expansion of human mesenchymal stromal cells (MSCs)	for 1×10 <sup>9</sup> total cells	130-092-291
CD271	<b>MSC Research Tool Box – CD271 (PE), human</b>	Kit for the isolation and optimized expansion of human mesenchymal stromal cells (MSCs)	for 1×10 <sup>9</sup> total cells	130-092-867
CD326	<b>CD326 (EpCAM) MicroBeads + CD326 (EpCAM)-PE, human</b>	Positive selection of human CD326 (EpCAM) <sup>+</sup> epithelial tumor cells and subsequent fluorescent staining	for 1×10 <sup>9</sup> total cells	130-092-234
CD326	<b>CD326 (EpCAM) MicroBeads, human</b>	Positive selection or depletion of human CD326 (EpCAM) <sup>+</sup> epithelial tumor cells	for 1×10 <sup>9</sup> total cells	130-061-101
CD326	<b>Pluripotent Stem Cell MicroBeads, human</b>	Positive selection of undifferentiated CD326 <sup>+</sup> pluripotent stem cells, for example, human ES and iPS cells or the enrichment of iPS cells after reprogramming	for 2×10 <sup>8</sup> total cells	130-095-804
Fibroblast	<b>Anti-Fibroblast MicroBeads, human</b>	Positive selection or depletion of human fibroblasts, positive selection or depletion of human mesenchymal stromal cells (MSCs), depletion of feeder cells	for 1×10 <sup>9</sup> total cells	130-050-601
Lin	<b>Lineage Cell Depletion Kit, human</b>	Kit for the enrichment of untouched human stem and progenitor cells	for 1×10 <sup>9</sup> total cells	130-092-211
MSCA-1	<b>Anti-MSCA-1 (W8B2) MicroBead Kit, human</b>	Positive selection of human mesenchymal stromal cells (MSCs)	for 1×10 <sup>9</sup> total cells	130-093-583
MSCA-1	<b>MSC Research Tool Box - MSCA-1 (W8B2), human</b>	Kit for the isolation and optimized expansion of human mesenchymal stromal cells (MSCs)	for 1×10 <sup>9</sup> total cells	130-093-572
PSA-NCAM	<b>Anti-PSA-NCAM MicroBeads, human, mouse, rat</b>	Positive selection of human, mouse, rat PSA-NCAM <sup>+</sup> neuronal progenitor cells	for 1×10 <sup>9</sup> total cells	130-092-966
SSEA-1	<b>Anti-SSEA-1 (CD15) MicroBeads, human and mouse</b>	Positive selection or depletion of mouse ES and iPS cells and human early differentiated cells	for 1×10 <sup>9</sup> total cells	130-094-530
TRA-1-60	<b>Anti-TRA-1-60 MicroBead Kit, human</b>	Positive selection of undifferentiated TRA-1-60 <sup>+</sup> pluripotent stem cells, for example, human ES and iPS cells or for the enrichment of iPS cells after reprogramming	for 2×10 <sup>8</sup> total cells	130-095-816

For footnotes refer to section important notices

## Cell separation reagents • Mouse

	Product	Description	Capacity/Content/ Components	Order no.
A2B5	<b>Anti-A2B5 MicroBeads, human, mouse, rat</b>	Isolation of human, mouse, rat A2B5 <sup>+</sup> glial progenitor cells	for 1×10 <sup>9</sup> total cells	130-093-388
CD11b	<b>CD11b MicroBeads, human and mouse</b>	Positive selection or depletion of myeloid cells, depletion of NK cells, B-1 cells, and certain subsets of dendritic cells	for 1×10 <sup>9</sup> total human cells or 2×10 <sup>9</sup> total mouse cells	130-049-601
CD45	<b>CD45 MicroBeads, mouse</b>	Positive selection or depletion of mouse leukocytes	for 2×10 <sup>9</sup> total cells	130-052-301
CD90.2	<b>CD90.2 MicroBeads, mouse</b>	Positive selection or depletion of CD90.2 (Thy1.2) <sup>+</sup> cells	for 2×10 <sup>9</sup> total cells	130-049-101
CD105	<b>CD105 MultiSort Kit (PE), mouse</b>	Isolation of subsets of mouse CD105 <sup>+</sup> cells, e.g., CD105 <sup>+</sup> Sca-1 <sup>+</sup> hematopoietic stem cells	for 1×10 <sup>9</sup> total cells	130-092-924
CD117	<b>CD117 MicroBeads, mouse</b>	Positive selection of mouse stem and progenitor cells	for 1×10 <sup>9</sup> total cells	130-091-224
CD146	<b>CD146 (LSEC) MicroBeads, mouse</b>	Positive selection or depletion of mouse liver sinusoidal endothelial cells	for 2×10 <sup>9</sup> total cells	130-092-007
Early differentiated cells	<b>Pluripotent Stem Cell Isolation Kit, mouse</b>	Optimized for depletion of early differentiated cells	for 1×10 <sup>9</sup> total cells	130-095-267
Fibroblast	<b>Feeder Removal MicroBeads, mouse</b>	Depletion of mouse primary fibroblasts from human or mouse ES or iPS cell cocultures or from keratinocyte cocultures	for 1×10 <sup>9</sup> total cells	130-095-531
Lin	<b>Lineage Cell Depletion Kit, mouse</b>	Isolation of mouse lineage marker negative cells	for 1×10 <sup>9</sup> total cells	130-090-858
Prominin-1	<b>Anti-Prominin-1 MicroBeads, mouse</b>	Isolation of mouse prominin-1 <sup>+</sup> cells	for 1×10 <sup>9</sup> total cells	130-092-333
PSA-NCAM	<b>Anti-PSA-NCAM MicroBeads, human, mouse, rat</b>	Positive selection of human, mouse, rat PSA-NCAM <sup>+</sup> neuronal progenitor cells	for 1×10 <sup>9</sup> total cells	130-092-966
Sca-1	<b>Anti-Sca-1 MicroBead Kit (FITC), mouse</b>	Positive selection of mouse stem and progenitor cells	for 1×10 <sup>9</sup> total cells	130-092-529
SSEA-1	<b>Anti-SSEA-1 (CD15) MicroBeads, human and mouse</b>	Positive selection or depletion of mouse ES and iPS cells and human early differentiated cells	for 1×10 <sup>9</sup> total cells	130-094-530
Ter-119	<b>Anti-Ter-119 MicroBeads, mouse</b>	Positive selection or depletion of mouse erythroid cells	for 2×10 <sup>9</sup> total cells	130-049-901

For footnotes refer to section important notices

## Primary antibodies • Human

	Product	Description	Capacity/Content/ Components	Order no.
A2B5	<b>Anti-A2B5 pure, human, mouse, rat</b>	Detection of A2B5 <sup>+</sup> glial-restricted precursor cells in human, mouse, or rat	100 µg in 1 mL	130-093-394
A2B5	<b>Anti-A2B5-APC, human, mouse, rat</b>	Detection of A2B5 <sup>+</sup> glial-restricted precursor cells in human, mouse, or rat	for 100 tests <sup>2)</sup>	130-093-582
A2B5	<b>Anti-A2B5-Biotin, human, mouse, rat</b>	Detection of A2B5 <sup>+</sup> glial-restricted precursor cells in human, mouse, or rat	for 100 tests <sup>3)</sup>	130-093-393
A2B5	<b>Anti-A2B5-PE, human, mouse, rat</b>	Detection of A2B5 <sup>+</sup> glial-restricted precursor cells in human, mouse, or rat	for 100 tests <sup>2)</sup>	130-093-581
βIII Tubulin	<b>Stemgent Purified Mouse anti-Mouse/Human βIII Tubulin Antibody</b>	Detection of βIII-Tubulin <sup>+</sup> cells, e.g., cells of neuronal origin	50 µg	130-095-674
c-myc	<b>Stemgent Purified Mouse anti-Human c-Myc Antibody</b>	Intracellular staining of human c-myc <sup>+</sup> cells	100 µL	130-095-639
CD11b	<b>CD11b-APC, human and mouse</b>	Detection of human and mouse myeloid cells; detection of CD11b <sup>+</sup> non-human primate cells	for 100 tests <sup>1)</sup>	130-091-241
CD11b	<b>CD11b-FITC, human and mouse</b>	Detection of human and mouse myeloid cells; detection of CD11b <sup>+</sup> non-human primate cells	for 100 tests <sup>1)</sup>	130-081-201
CD11b	<b>CD11b-PE, human and mouse</b>	Detection of human and mouse myeloid cells; detection of CD11b <sup>+</sup> non-human primate cells	for 100 tests <sup>1)</sup>	130-091-240
CD15	<b>CD15-APC, human</b>	Detection of SSEA-1 (CD15) <sup>+</sup> human cells, cross-reactive with mouse cells	for 100 tests <sup>1)</sup>	130-091-371
CD15	<b>CD15-FITC, human</b>	Detection of SSEA-1 (CD15) <sup>+</sup> human cells, cross-reactive with mouse cells	for 100 tests <sup>1)</sup>	130-081-101
CD15	<b>CD15-PE, human</b>	Detection of SSEA-1 (CD15) <sup>+</sup> human cells, cross-reactive with mouse cells	for 100 tests <sup>1)</sup>	130-091-375

For footnotes refer to section important notices

	Product	Description	Capacity/Content/ Components	Order no.
CD20	<b>CD20-FITC, human</b>	Detection of CD20 <sup>+</sup> cancer stem cells	for 100 tests <sup>1)</sup>	130-091-108
CD20	<b>CD20-PE, human</b>	Detection of CD20 <sup>+</sup> cancer stem cells	for 100 tests <sup>1)</sup>	130-091-109
CD20	<b>CD20-PerCP, human</b>	Detection of CD20 <sup>+</sup> cancer stem cells	for 100 tests <sup>1)</sup>	130-094-976
CD20	<b>CD20-VioBlue, human</b>	Detection of CD20 <sup>+</sup> cancer stem cells	for 100 tests <sup>1)</sup>	130-094-167
CD24	<b>CD24-APC, human</b>	Evaluation of CD24 expression on human cancer stem cells	for 100 tests <sup>1)</sup>	130-095-954
CD24	<b>CD24-FITC, human</b>	Evaluation of CD24 expression on human cancer stem cells	for 100 tests <sup>1)</sup>	130-095-952
CD24	<b>CD24-PE, human</b>	Evaluation of CD24 expression on human cancer stem cells	for 100 tests <sup>1)</sup>	130-095-953
CD29	<b>Stemgent Purified Mouse Anti-Human CD29 Antibody</b>	Detection of CD29, e.g., on human mesenchymal stromal cells	50 µg	130-095-637
CD31	<b>CD31-APC, human</b>	Detection of CD31 on human or non-human primate cells	for 100 tests <sup>1)</sup>	130-092-652
CD31	<b>CD31-FITC, human</b>	Detection of CD31 on human or non-human primate cells	for 100 tests <sup>1)</sup>	130-092-654
CD31	<b>CD31-PE, human</b>	Detection of CD31 on human or non-human primate cells	for 100 tests <sup>1)</sup>	130-092-653
CD33	<b>CD33-APC, human</b>	Detection of human or non-human primate myeloid cells	for 100 tests <sup>1)</sup>	130-091-731
CD33	<b>CD33-PE, human</b>	Detection of human or non-human primate myeloid cells	for 100 tests <sup>1)</sup>	130-091-732
CD34	<b>CD34-APC, human</b>	Detection of human hematopoietic stem and progenitor cells	for 100 tests <sup>1)</sup>	130-090-954
CD34	<b>CD34-FITC, human</b>	Detection of human hematopoietic stem and progenitor cells	for 100 tests <sup>1)</sup>	130-081-001
CD34	<b>CD34-PE, human</b>	Detection of human hematopoietic stem and progenitor cells	for 100 tests <sup>1)</sup>	130-081-002
CD34	<b>CD34-VioBlue, human</b>	Detection of human hematopoietic stem and progenitor cells	for 100 tests <sup>1)</sup>	130-095-393
CD38	<b>CD38-APC, human</b>	Evaluation of CD38 expression on hematopoietic progenitor cells	for 100 tests <sup>1)</sup>	130-092-261
CD38	<b>CD38-Biotin, human</b>	Evaluation of CD38 expression on hematopoietic progenitor cells	for 100 tests <sup>4)</sup>	130-092-288
CD38	<b>CD38-FITC, human</b>	Evaluation of CD38 expression on hematopoietic progenitor cells	for 100 tests <sup>1)</sup>	130-092-259
CD38	<b>CD38-PE, human</b>	Evaluation of CD38 expression on hematopoietic progenitor cells	for 100 tests <sup>1)</sup>	130-092-260
CD44	<b>CD44-APC, human</b>	Detection of human CD44 <sup>+</sup> cells	for 100 tests <sup>1)</sup>	130-095-177
CD44	<b>CD44-FITC, human</b>	Detection of human CD44 <sup>+</sup> cells	for 100 tests <sup>1)</sup>	130-095-195
CD44	<b>CD44-PE, human</b>	Detection of human CD44 <sup>+</sup> cells	for 100 tests <sup>1)</sup>	130-095-180
CD45	<b>CD45-APC, human</b>	Detection of human leukocytes	for 100 tests <sup>1)</sup>	130-091-230
CD45	<b>CD45-FITC, human</b>	Detection of human leukocytes	for 100 tests <sup>1)</sup>	130-080-202
CD45	<b>CD45-PE, human</b>	Detection of human leukocytes	for 100 tests <sup>1)</sup>	130-080-201
CD45	<b>CD45-PerCP, human</b>	Detection of human leukocytes	for 100 tests <sup>1)</sup>	130-094-975
CD45	<b>CD45-VioBlue, human</b>	Detection of human leukocytes	for 100 tests <sup>4)</sup>	130-092-880
CD71	<b>CD71-APC, human</b>	Detection of mesenchymal stem cells (MSCs) from human bone marrow	for 100 tests <sup>1)</sup>	130-091-727
CD71	<b>CD71-PE, human</b>	Detection of mesenchymal stem cells (MSCs) from human bone marrow	for 100 tests <sup>1)</sup>	130-091-728
CD73	<b>CD73 pure, human</b>	Detection of CD73 <sup>+</sup> mesenchymal stem cells	100 µg in 1 mL	130-095-185
CD73	<b>CD73-APC, human</b>	Detection of CD73 <sup>+</sup> mesenchymal stem cells	for 100 tests <sup>1)</sup>	130-095-183
CD73	<b>CD73-Biotin, human</b>	Detection of CD73 <sup>+</sup> mesenchymal stem cells	for 100 tests <sup>4)</sup>	130-095-184
CD73	<b>CD73-PE, human</b>	Detection of CD73 <sup>+</sup> mesenchymal stem cells	for 100 tests <sup>1)</sup>	130-095-182
CD90	<b>CD90-APC, human</b>	Detection of human CD90 <sup>+</sup> cells	for 100 tests <sup>1)</sup>	130-095-402
CD90	<b>CD90-FITC, human</b>	Detection of human CD90 <sup>+</sup> cells	for 100 tests <sup>1)</sup>	130-095-403
CD90	<b>CD90-PE, human</b>	Detection of human CD90 <sup>+</sup> cells	for 100 tests <sup>1)</sup>	130-095-400
CD105	<b>CD105-APC, human</b>	Detection of human CD105 <sup>+</sup> cells, e.g. endothelial cells or MSCs	for 100 tests <sup>1)</sup>	130-094-926
CD105	<b>CD105-Biotin, human</b>	Detection of human CD105 <sup>+</sup> cells, e.g. endothelial cells or MSCs	for 100 tests <sup>4)</sup>	130-094-916
CD105	<b>CD105-PE, human</b>	Detection of human CD105 <sup>+</sup> cells, e.g. endothelial cells or MSCs	for 100 tests <sup>1)</sup>	130-094-941
CD117	<b>CD117 (A3C6E2)-APC, human</b>	Detection of human hematopoietic and nonhematopoietic stem and progenitor cells	for 100 tests <sup>1)</sup>	130-091-733
CD117	<b>CD117 (A3C6E2)-PE, human</b>	Detection of human hematopoietic and nonhematopoietic stem and progenitor cells	for 100 tests <sup>1)</sup>	130-091-734
CD117	<b>CD117 (AC126)-PE, human</b>	Detection of human hematopoietic and nonhematopoietic stem and progenitor cells	for 100 tests <sup>1)</sup>	130-091-735

For footnotes refer to section important notices

	Product	Description	Capacity/Content/ Components	Order no.
CD133/1	<b>CD133/1 (AC133) pure, human</b>	Detection of human stem and progenitor cells	50 µg in 1 mL <sup>8)</sup>	130-090-422
CD133/1	<b>CD133/1 (AC133)-APC, human</b>	Detection of human stem and progenitor cells	for 100 tests <sup>1,8)</sup>	130-090-826
CD133/1	<b>CD133/1 (AC133)-Biotin, human</b>	Detection of human stem and progenitor cells	for 100 tests <sup>4,8)</sup>	130-090-664
CD133/1	<b>CD133/1 (AC133)-PE, human</b>	Detection of human stem and progenitor cells	for 100 tests <sup>1,8)</sup>	130-080-801
CD133/1	<b>CD133/1 (W6B3C1) pure, human</b>	Evaluation of CD133 expression in human tissue by Western blot technique	100 µg in 1 mL	130-092-395
CD133/2	<b>CD133/2 (293C3) pure, human</b>	Detection of human stem and progenitor cells	50 µg in 1 mL	130-090-851
CD133/2	<b>CD133/2 (293C3)-APC, human</b>	Detection of human stem and progenitor cells	for 100 tests <sup>1)</sup>	130-090-854
CD133/2	<b>CD133/2 (293C3)-Biotin, human</b>	Detection of human stem and progenitor cells	for 100 tests <sup>4)</sup>	130-090-852
CD133/2	<b>CD133/2 (293C3)-PE, human</b>	Detection of human stem and progenitor cells	for 100 tests <sup>1)</sup>	130-090-853
CD133/2	<b>CD133/2 (AC141) pure, human</b>	Detection of human stem and progenitor cells	50 µg in 1 mL	130-090-423
CD133/2	<b>CD133/2 (AC141)-PE, human</b>	Detection of human stem and progenitor cells	for 100 tests <sup>1)</sup>	130-080-901
CD146	<b>CD146 pure, human</b>	Detection of endothelial cells, smooth muscle cells, follicular dendritic cells, melanoma cells, and a sub-population of activated T lymphocytes	100 µg in 1 mL	130-092-850
CD146	<b>CD146-APC, human</b>	Detection of endothelial cells, smooth muscle cells, follicular dendritic cells, melanoma cells, and a sub-population of activated T lymphocytes	for 100 tests <sup>1)</sup>	130-092-849
CD146	<b>CD146-Biotin, human</b>	Detection of endothelial cells, smooth muscle cells, follicular dendritic cells, melanoma cells, and a sub-population of activated T lymphocytes	for 100 tests <sup>4)</sup>	130-092-852
CD146	<b>CD146-FITC, human</b>	Detection of endothelial cells, smooth muscle cells, follicular dendritic cells, melanoma cells, and a sub-population of activated T lymphocytes	for 100 tests <sup>1)</sup>	130-092-851
CD146	<b>CD146-PE, human</b>	Detection of endothelial cells, smooth muscle cells, follicular dendritic cells, melanoma cells, and a sub-population of activated T lymphocytes	for 100 tests <sup>1)</sup>	130-092-853
CD166	<b>Stemgent Purified Mouse Anti-Human CD166 Antibody</b>	Detection of human CD166 (ALCAM), e.g., on mesenchymal stromal cells	50 µg	130-095-638
CD271	<b>CD271 (LNGFR)-APC, human</b>	Detection of human CD271 (LNGFR) <sup>+</sup> cells, or identification of MACSelect LNGFR-transfected cells	for 100 tests <sup>1,8)</sup>	130-091-884
CD271	<b>CD271 (LNGFR)-Biotin, human</b>	Detection of human CD271 (LNGFR) <sup>+</sup> cells, or identification of MACSelect LNGFR-transfected cells	for 100 tests <sup>4,8)</sup>	130-091-883
CD271	<b>CD271 (LNGFR)-FITC, human</b>	Detection of human CD271 (LNGFR) <sup>+</sup> cells, or identification of MACSelect LNGFR-transfected cells	for 100 tests <sup>1,8)</sup>	130-091-917
CD271	<b>CD271 (LNGFR)-PE, human</b>	Detection of human CD271 (LNGFR) <sup>+</sup> cells, or identification of MACSelect LNGFR-transfected cells	for 100 tests <sup>1,8)</sup>	130-091-885
CD309	<b>CD309 (VEGFR-2/KDR) pure, human</b>	Detection of CD309 (VEGFR-2/KDR) on human angioblasts, endothelial progenitor cells, mature endothelial cells, and a subset of hematopoietic stem cells	100 µg in 1 mL	130-095-324
CD309	<b>CD309 (VEGFR-2/KDR)-APC, human</b>	Detection of CD309 (VEGFR-2/KDR) on human angioblasts, endothelial progenitor cells, mature endothelial cells, and a subset of hematopoietic stem cells	for 100 tests <sup>1)</sup>	130-093-601
CD309	<b>CD309 (VEGFR-2/KDR)-Biotin, human</b>	Detection of CD309 (VEGFR-2/KDR) on human angioblasts, endothelial progenitor cells, mature endothelial cells, and a subset of hematopoietic stem cells	for 100 tests <sup>4)</sup>	130-093-603
CD309	<b>CD309 (VEGFR-2/KDR)-PE, human</b>	Detection of CD309 (VEGFR-2/KDR) on human angioblasts, endothelial progenitor cells, mature endothelial cells, and a subset of hematopoietic stem cells	for 100 tests <sup>1)</sup>	130-093-598
CD324	<b>CD324-APC, human</b>	Detection of CD324 (E-cadherin) <sup>+</sup> cells	for 100 tests <sup>2)</sup>	130-095-412
CD324	<b>CD324-PE, human</b>	Detection of CD324 (E-cadherin) <sup>+</sup> cells	for 100 tests <sup>2)</sup>	130-095-413
CD326	<b>CD326 (EpCAM)-APC, human</b>	Detection of epithelial cells or cells of epithelial origin, e.g., ES and iPS cells	for 100 tests <sup>1)</sup>	130-091-254
CD326	<b>CD326 (EpCAM)-FITC, human</b>	Detection of epithelial cells or cells of epithelial origin, e.g., ES and iPS cells	for 100 tests <sup>1)</sup>	130-080-301
CD326	<b>CD326 (EpCAM)-PE, human</b>	Detection of epithelial cells or cells of epithelial origin, e.g., ES and iPS cells	for 100 tests <sup>1)</sup>	130-091-253

For footnotes refer to section important notices

	Product	Description	Capacity/Content/ Components	Order no.
HP	<b>Stemgent Mouse anti-Human HPa1 Antibody</b>	Detection of pancreatic alpha cells	50 µg	130-095-657
HP	<b>Stemgent Mouse anti-Human HPa2 Antibody</b>	Detection of pancreatic alpha cells	50 µg	130-095-658
HP	<b>Stemgent Mouse anti-Human HPd1 Antibody</b>	Detection of human pancreatic and liver duct cells	50 µg	130-095-649
HP	<b>Stemgent Mouse anti-Human HPd2 Antibody</b>	Detection of human pancreatic and liver duct cells	50 µg	130-095-650
HP	<b>Stemgent Mouse anti-Human HPi1 Antibody</b>	Detection of pancreas endocrine (islet) cells	50 µg	130-095-651
HP	<b>Stemgent Mouse anti-Human HPi2 Antibody</b>	Detection of pancreas endocrine (islet) cells	50 µg	130-095-652
HP	<b>Stemgent Mouse anti-Human HPi3 Antibody</b>	Detection of pancreas endocrine (islet) cells	50 µg	130-095-653
HP	<b>Stemgent Mouse anti-Human HPi4 Antibody</b>	Detection of pancreas endocrine (islet) cells	50 µg	130-095-654
HP	<b>Stemgent Mouse anti-Human HPx1 Antibody</b>	Detection of pancreatic exocrine cells	50 µg	130-095-655
HP	<b>Stemgent Mouse anti-Human HPx2 Antibody</b>	Detection of pancreatic exocrine cells	50 µg	130-095-656
Klf4	<b>Stemgent Purified Mouse anti-Mouse/Human Klf4 Antibody</b>	Intracellular staining of human or mouse Klf4 <sup>+</sup> cells	100 µL	130-095-633
Lin28	<b>Stemgent Affinity Purified anti-Human LIN28 Antibody</b>	Intracellular staining of human or mouse LIN28 <sup>+</sup> cells	100 µL	130-095-634
MSCA-1	<b>Anti-MSCA-1 (W8B2) pure, human</b>	Detection of MSCA-1 <sup>+</sup> human mesenchymal stromal cells	100 µg in 1 mL	130-093-595
MSCA-1	<b>Anti-MSCA-1 (W8B2)-APC, human</b>	Detection of MSCA-1 <sup>+</sup> human mesenchymal stromal cells	for 100 tests <sup>1)</sup>	130-093-589
MSCA-1	<b>Anti-MSCA-1 (W8B2)-Biotin, human</b>	Detection of MSCA-1 <sup>+</sup> human mesenchymal stromal cells	for 100 tests <sup>4)</sup>	130-093-593
MSCA-1	<b>Anti-MSCA-1 (W8B2)-PE, human</b>	Detection of MSCA-1 <sup>+</sup> human mesenchymal stromal cells	for 100 tests <sup>1)</sup>	130-093-587
Nanog	<b>Stemgent Affinity Purified anti-Mouse/Human Nanog Antibody</b>	Intracellular staining of human or mouse Nanog <sup>+</sup> cells	100 µL	130-095-632
Nestin	<b>Stemgent Purified Mouse anti-Human Nestin Antibody</b>	Intracellular staining of human Nestin <sup>+</sup> cells	50 µg	130-095-648
Oct4	<b>Stemgent Purified Rabbit anti-Mouse/Human Oct4 Antibody</b>	Intracellular staining of human or mouse Oct4 <sup>+</sup> cells	100 µL	130-095-635
Pax6	<b>Stemgent Purified Rabbit anti-Mouse/Human Pax6 Antibody</b>	Intracellular staining of human or mouse Pax6 <sup>+</sup> cells	50 µg	130-095-598
PSA-NCAM	<b>Anti-PSA-NCAM-APC, human, mouse, rat</b>	Detection of PSA-NCAM on neuronal-restricted human, mouse, and rat precursor cells	for 100 tests <sup>6)</sup>	130-093-273
PSA-NCAM	<b>Anti-PSA-NCAM-PE, human, mouse, rat</b>	Detection of PSA-NCAM on neuronal-restricted human, mouse, and rat precursor cells	for 100 tests <sup>5)</sup>	130-093-274
Rex1	<b>Stemgent Affinity Purified anti-Mouse/Human Rex1 Antibody</b>	Intracellular staining of human or mouse Rex1 <sup>+</sup> cells	100 µL	130-095-631
Sox1	<b>Stemgent Purified Rabbit Anti-Human Sox1 Antibody</b>	Intracellular staining of human or mouse Sox2 <sup>+</sup> cells	100 µL	130-096-222
Sox2	<b>Stemgent Purified anti-Mouse/ Human Sox2 Antibody</b>	Intracellular staining of human or mouse Sox2 <sup>+</sup> cells	100 µL	130-095-636
SSEA-1 <i>see also CD15</i>	<b>Stemgent Affinity Purified anti-Mouse/Human SSEA-1 Antibody</b>	Detection of SSEA-1 <sup>+</sup> human or mouse cells	50 µg	130-095-621
SSEA-1 <i>see also CD15</i>	<b>Stemgent DyLight 488 Mouse anti-Mouse/Human SSEA-1 Antibody<sup>1)</sup></b>	Detection of SSEA-1 <sup>+</sup> human or mouse cells	50 µg	130-095-671
SSEA-1 <i>see also CD15</i>	<b>Stemgent DyLight 549 Mouse anti-Mouse/Human SSEA-1 Antibody<sup>1)</sup></b>	Detection of SSEA-1 <sup>+</sup> human or mouse cells	50 µg	130-095-676
SSEA-1 <i>see also CD15</i>	<b>Stemgent Phycoerythrin (PE) anti-Mouse/Human SSEA-1 Antibody</b>	Detection of SSEA-1 <sup>+</sup> human or mouse cells	1 mL	130-095-618
SSEA-1 <i>see also CD15</i>	<b>Stemgent StainAlive DyLight 488 Mouse anti-SSEA-1 Antibody<sup>1)</sup></b>	Detection of SSEA-1 <sup>+</sup> human or mouse cells	50 µg	130-095-668
SSEA-1 <i>see also CD15</i>	<b>Stemgent StainAlive DyLight 549 Mouse anti-Mouse/Human SSEA-1 Antibody<sup>1)</sup></b>	Detection of SSEA-1 <sup>+</sup> human or mouse cells	50 µg	130-095-974

For footnotes refer to section important notices

## Primary antibodies • Mouse

	Product	Description	Capacity/Content/Components	Order no.
SSEA-3	<b>Stemgent Affinity Purified anti-Human SSEA-3 Antibody</b>	Detection of SSEA-3 <sup>+</sup> cells	50 µg	130-095-629
SSEA-3	<b>Stemgent Phycoerythrin (PE) Rat anti-Human SSEA-3 Antibody</b>	Detection of SSEA-3 <sup>+</sup> cells	for 50 assays	130-095-597
SSEA-4	<b>Stemgent Affinity Purified anti-Human SSEA-4 Antibody</b>	Detection of SSEA-4 <sup>+</sup> cells	50 µg	130-095-622
SSEA-4	<b>Stemgent Phycoerythrin (PE) anti-Human SSEA-4 Antibody</b>	Detection of SSEA-4 <sup>+</sup> cells	1 mL	130-095-619
TRA-1-60	<b>Stemgent Affinity Purified anti-Human TRA-1-60 Antibody</b>	Detection of TRA-1-60 <sup>+</sup> human cells	50 µg	130-095-625
TRA-1-60	<b>Stemgent Phycoerythrin (PE) anti-Human TRA-1-60 Antibody</b>	Detection of TRA-1-60 <sup>+</sup> human cells	1 mL	130-095-624
TRA-1-60	<b>Stemgent StainAlive DyLight 488 Mouse anti-Human TRA-1-60 Antibody<sup>1)</sup></b>	Intracellular staining of human TRA-1-60 <sup>+</sup> cells	50 µg	130-095-669
TRA-1-81	<b>Stemgent Affinity Purified anti-Human TRA-1-81 Antibody</b>	Detection of TRA-1-81 <sup>+</sup> human cells	50 µg	130-095-626
TRA-1-81	<b>Stemgent DyLight 549 Mouse anti-Human TRA-1-81 Antibody<sup>1)</sup></b>	Intracellular staining of human TRA-1-81 <sup>+</sup> cells	50 µg	130-095-675
TRA-1-81	<b>Stemgent Phycoerythrin (PE) anti-Human TRA-1-81 Antibody</b>	Detection of TRA-1-81 <sup>+</sup> human cells	1 mL	130-095-627
TRA-1-81	<b>Stemgent StainAlive DyLight 488 Mouse anti-Human TRA-1-81 Antibody<sup>1)</sup></b>	Detection of TRA-1-81 <sup>+</sup> human cells	50 µg	130-095-670
Vimentin	<b>Stemgent Rabbit anti-Human Vimentin Antibody</b>	Intracellular staining of human Vimentin <sup>+</sup> cells	100 µL	130-095-599

For footnotes refer to section important notices

## Primary antibodies • Mouse

	Product	Description	Capacity/Content/Components	Order no.
A2B5	<b>Anti-A2B5 pure, human, mouse, rat</b>	Detection of A2B5 <sup>+</sup> glial-restricted precursor cells in human, mouse, or rat	100 µg in 1 mL	130-093-394
A2B5	<b>Anti-A2B5-APC, human, mouse, rat</b>	Detection of A2B5 <sup>+</sup> glial-restricted precursor cells in human, mouse, or rat	for 100 tests <sup>2)</sup>	130-093-582
A2B5	<b>Anti-A2B5-Biotin, human, mouse, rat</b>	Detection of A2B5 <sup>+</sup> glial-restricted precursor cells in human, mouse, or rat	for 100 tests <sup>3)</sup>	130-093-393
A2B5	<b>Anti-A2B5-PE, human, mouse, rat</b>	Detection of A2B5 <sup>+</sup> glial-restricted precursor cells in human, mouse, or rat	for 100 tests <sup>2)</sup>	130-093-581
βIII Tubulin	<b>Stemgent Purified Mouse anti-Mouse/Human βIII Tubulin Antibody</b>	Detection of βIII-Tubulin <sup>+</sup> cells, e.g., cells of neuronal origin	50 µg	130-095-674
CD11b	<b>CD11b-APC, human and mouse</b>	Detection of human and mouse myeloid cells; detection of CD11b <sup>+</sup> non-human primate cells	for 100 tests <sup>1)</sup>	130-091-241
CD11b	<b>CD11b-FITC, human and mouse</b>	Detection of human and mouse myeloid cells; detection of CD11b <sup>+</sup> non-human primate cells	for 100 tests <sup>1)</sup>	130-081-201
CD11b	<b>CD11b-PE, human and mouse</b>	Detection of human and mouse myeloid cells; detection of CD11b <sup>+</sup> non-human primate cells	for 100 tests <sup>1)</sup>	130-091-240
CD15	<b>CD15-APC, human</b>	Detection of SSEA-1 (CD15) <sup>+</sup> human cells, cross-reactive with mouse cells	for 100 tests <sup>1)</sup>	130-091-371
CD15	<b>CD15-FITC, human</b>	Detection of SSEA-1 (CD15) <sup>+</sup> human cells, cross-reactive with mouse cells	for 100 tests <sup>1)</sup>	130-081-101
CD15	<b>CD15-PE, human</b>	Detection of SSEA-1 (CD15) <sup>+</sup> human cells, cross-reactive with mouse cells	for 100 tests <sup>1)</sup>	130-091-375
CD45	<b>CD45-APC, mouse</b>	Detection of mouse leukocytes	for 100 tests <sup>1)</sup>	130-091-811

For footnotes refer to section important notices

	Product	Description	Capacity/Content/ Components	Order no.
CD45	<b>CD45-FITC, mouse</b>	Detection of mouse leukocytes	for 100 tests <sup>1)</sup>	130-091-609
CD45	<b>CD45-PE, mouse</b>	Detection of mouse leukocytes	for 100 tests <sup>1)</sup>	130-091-610
CD45	<b>CD45-PerCP, mouse</b>	Detection of mouse leukocytes	for 100 tests <sup>1)</sup>	130-094-962
CD45	<b>CD45-VioBlue, mouse</b>	Detection of mouse leukocytes	for 100 tests <sup>1)</sup>	130-092-910
CD90.2	<b>CD90.2-APC, mouse</b>	Detection of CD90.2 <sup>+</sup> mouse cells	for 100 tests <sup>1)</sup>	130-091-790
CD90.2	<b>CD90.2-FITC, mouse</b>	Detection of CD90.2 <sup>+</sup> mouse cells	for 100 tests <sup>1)</sup>	130-091-602
CD90.2	<b>CD90.2-PE, mouse</b>	Detection of CD90.2 <sup>+</sup> mouse cells	for 100 tests <sup>1)</sup>	130-091-601
CD90.2	<b>CD90.2-PerCP, mouse</b>	Detection of CD90.2 <sup>+</sup> mouse cells	for 100 tests <sup>1)</sup>	130-094-959
CD90.2	<b>CD90.2-VioBlue, mouse</b>	Detection of CD90.2 <sup>+</sup> mouse cells	for 100 tests <sup>1)</sup>	130-094-361
CD105	<b>CD105 pure, mouse</b>	Detection of CD105 <sup>+</sup> mouse cells, e.g. LT-HSC or endothelial cells	100 µg in 1 mL	130-092-926
CD105	<b>CD105-APC, mouse</b>	Detection of CD105 <sup>+</sup> mouse cells, e.g. LT-HSC or endothelial cells	for 100 tests <sup>1)</sup>	130-092-930
CD105	<b>CD105-Biotin, mouse</b>	Detection of CD105 <sup>+</sup> mouse cells, e.g. LT-HSC or endothelial cells	for 100 tests <sup>4)</sup>	130-092-927
CD105	<b>CD105-PE, mouse</b>	Detection of CD105 <sup>+</sup> mouse cells, e.g. LT-HSC or endothelial cells	for 100 tests <sup>1)</sup>	130-092-929
CD117	<b>CD117-APC, mouse</b>	Detection of mouse CD117 (c-kit) <sup>+</sup> stem cells	for 100 tests <sup>1)</sup>	130-091-729
CD117	<b>CD117-PE, mouse</b>	Detection of mouse CD117 (c-kit) <sup>+</sup> stem cells	for 100 tests <sup>1)</sup>	130-091-730
CD146 (LSEC)	<b>CD146 (LSEC)-Biotin, mouse</b>	Detection of mouse endothelial cells including liver sinusoidal endothelial cells	for 100 tests <sup>4)</sup>	130-092-025
CD146 (LSEC)	<b>CD146 (LSEC)-FITC, mouse</b>	Detection of mouse endothelial cells including liver sinusoidal endothelial cells	for 100 tests <sup>1)</sup>	130-092-026
Klf4	<b>Stemgent Purified Mouse anti-Mouse/Human Klf4 Antibody</b>	Intracellular staining of human or mouse Klf4 <sup>+</sup> cells	100 µL	130-095-633
Lin28	<b>Stemgent Affinity Purified anti-Human LIN28 Antibody</b>	Intracellular staining of human or mouse LIN28 <sup>+</sup> cells	100 µL	130-095-634
MIC1	<b>Stemgent Rat anti-Mouse MIC1-1C3 Antibody</b>	Detection of mouse liver duct and pancreas cells	50 µg	130-095-659
Nanog	<b>Stemgent Affinity Purified anti-Mouse/Human Nanog Antibody</b>	Intracellular staining of human or mouse Nanog <sup>+</sup> cells	100 µL	130-095-632
OC2	<b>Stemgent Rat anti-Mouse OC2-1C6 Antibody</b>	Detection of mouse liver periductal cells	50 µg	130-095-660
OC2	<b>Stemgent Rat anti-Mouse OC2-1D11 Antibody</b>	Detectin of mouse liver duct cells	50 µg	130-095-661
OC2	<b>Stemgent Rat anti-Mouse OC2-2A6 Antibody</b>	Detection of mouse liver periductal cells	50 µg	130-095-662
OC2	<b>Stemgent Rat anti-Mouse OC2-2F3 Antibody</b>	Detection of mouse liver duct cells	50 µg	130-095-663
OC2	<b>Stemgent Rat anti-Mouse OC2-3C5 Antibody</b>	Detection of mouse liver periductal cells	50 µg	130-095-664
OC2	<b>Stemgent Rat anti-Mouse OC2-3C7 Antibody</b>	Detection of mouse liver periductal cells	50 µg	130-095-665
OC2	<b>Stemgent Rat anti-Mouse OC2-4E8 Antibody</b>	Detection of mouse liver periductal cells	50 µg	130-095-666
OC2	<b>Stemgent Rat anti-Mouse OC2-6E10 Antibody</b>	Detection of mouse liver periductal cells	50 µg	130-095-667
Oct4	<b>Stemgent Purified Rabbit anti-Mouse/Human Oct4 Antibody</b>	Intracellular staining of human or mouse Oct4 <sup>+</sup> cells	100 µL	130-095-635
Pax6	<b>Stemgent Purified Rabbit anti-Mouse/Human Pax6 Antibody</b>	Intracellular staining of human or mouse Pax6 <sup>+</sup> cells	50 µg	130-095-598
Prominin-1	<b>Anti-Prominin-1 pure, mouse</b>	Detection of mouse prominin-1 <sup>+</sup> cells	100 µg in 1 mL	130-092-442
Prominin-1	<b>Anti-Prominin-1-APC, mouse</b>	Detection of mouse prominin-1 <sup>+</sup> cells	for 100 tests <sup>1)</sup>	130-092-335
Prominin-1	<b>Anti-Prominin-1-Biotin, mouse</b>	Detection of mouse prominin-1 <sup>+</sup> cells	for 100 tests <sup>4)</sup>	130-092-441
Prominin-1	<b>Anti-Prominin-1-PE, mouse</b>	Detection of mouse prominin-1 <sup>+</sup> cells	for 100 tests <sup>1)</sup>	130-092-334

For footnotes refer to section important notices

	Product	Description	Capacity/Content/ Components	Order no.
PSA-NCAM	<b>Anti-PSA-NCAM-APC, human, mouse, rat</b>	Detection of PSA-NCAM on neuronal-restricted human, mouse, and rat precursor cells	for 100 tests <sup>6)</sup>	130-093-273
PSA-NCAM	<b>Anti-PSA-NCAM-PE, human, mouse, rat</b>	Detection of PSA-NCAM on neuronal-restricted human, mouse, and rat precursor cells	for 100 tests <sup>9)</sup>	130-093-274
Rex1	<b>Stemgent Affinity Purified anti-Mouse/Human Rex1 Antibody</b>	Intracellular staining of human or mouse Rex1 <sup>+</sup> cells	100 µL	130-095-631
Sca-1	<b>Anti-Sca-1-APC, mouse</b>	Detection of Sca-1 <sup>+</sup> mouse cells	for 100 tests <sup>1)</sup>	130-093-223
Sca-1	<b>Anti-Sca-1-Biotin, mouse</b>	Detection of Sca-1 <sup>+</sup> mouse cells	for 100 tests <sup>4)</sup>	130-093-421
Sca-1	<b>Anti-Sca-1-FITC, mouse</b>	Detection of Sca-1 <sup>+</sup> mouse cells	for 100 tests <sup>1)</sup>	130-093-222
Sca-1	<b>Anti-Sca-1-PE, mouse</b>	Detection of Sca-1 <sup>+</sup> mouse cells	for 100 tests <sup>1)</sup>	130-093-224
Sox2	<b>Stemgent Purified anti-Mouse/ Human Sox2 Antibody</b>	Intracellular staining of human or mouse Sox2 <sup>+</sup> cells	100 µL	130-095-636
SSEA-1 <i>see also CD15</i>	<b>Stemgent Affinity Purified anti-Mouse/Human SSEA-1 Antibody</b>	Detection of SSEA-1 <sup>+</sup> human or mouse cells	50 µg	130-095-621
SSEA-1 <i>see also CD15</i>	<b>Stemgent DyLight 488 Mouse anti-Mouse/Human SSEA-1 Antibody<sup>1)</sup></b>	Detection of SSEA-1 <sup>+</sup> human or mouse cells	50 µg	130-095-671
SSEA-1 <i>see also CD15</i>	<b>Stemgent DyLight 549 Mouse anti-Mouse/Human SSEA-1 Antibody<sup>1)</sup></b>	Detection of SSEA-1 <sup>+</sup> human or mouse cells	50 µg	130-095-676
SSEA-1 <i>see also CD15</i>	<b>Stemgent Phycoerythrin (PE) anti-Mouse/Human SSEA-1 Antibody</b>	Detection of SSEA-1 <sup>+</sup> human or mouse cells	1 mL	130-095-618
SSEA-1 <i>see also CD15</i>	<b>Stemgent StainAlive DyLight 488 Mouse anti-SSEA-1 Antibody<sup>1)</sup></b>	Detection of SSEA-1 <sup>+</sup> human or mouse cells	50 µg	130-095-668
SSEA-1 <i>see also CD15</i>	<b>Stemgent StainAlive DyLight 549 Mouse anti-Mouse/Human SSEA-1 Antibody<sup>1)</sup></b>	Detection of SSEA-1 <sup>+</sup> human or mouse cells	50 µg	130-095-974
Ter-119	<b>Anti-Ter-119-APC, mouse</b>	Detection of mouse erythrocytes	for 100 tests <sup>1)</sup>	130-091-788
Ter-119	<b>Anti-Ter-119-FITC, mouse</b>	Detection of mouse erythrocytes	for 100 tests <sup>1)</sup>	130-091-786
Ter-119	<b>Anti-Ter-119-PE, mouse</b>	Detection of mouse erythrocytes	for 100 tests <sup>1)</sup>	130-091-783

For footnotes refer to section important notices

## Kits for cell detection and enumeration • Human

	Product	Description	Capacity/Content/ Components	Order no.
AP	<b>Stemgent Alkaline Phosphatase Staining Kit II, mouse<sup>1)</sup></b>	Detection of alkaline phosphatase–positive cells	for 50 assays	130-095-616
AP	<b>Stemgent Alkaline Phosphatase Staining Kit<sup>1)</sup></b>	Detection of alkaline phosphatase–positive cells	for 50 assays	130-095-610
EPC	<b>EPC Enrichment and Enumeration Kit, human</b>	Enumeration of endothelial progenitor cells based on the expression of CD34, CD133, and CD309 (VEGFR-2/KDR)	for 20 tests <sup>7)</sup>	130-093-477
ES/iPS	<b>Stemgent Human ES/iPS Cell Characterization Set</b>	Detection of alkaline phosphatase activity and four pluripotency markers SSEA-4, TRA-1-60, Oct4, and Nanog	for 50 assays	130-095-613
ES/iPS	<b>Stemgent Mouse/Human ES/iPS Cell Nuclear Marker Set</b>	Detection of Nanog, Sox2, and Oct4	for 50 assays	130-095-615
ES/iPS	<b>Stemgent Pluripotency Characterization Set</b>	Detection of alkaline phosphatase activity, cell-surface stage-specific antigens (SSEA-1, SSEA-3, and SSEA-4) as well as expression of TRA-1-60 and TRA-1-81 antigens	for 50 assays	130-095-611
MSC	<b>MSC Phenotyping Kit, human</b>	Phenotyping of cultured human mesenchymal stromal cells (MSCs) based on ISCT standards	for 50 tests <sup>9)</sup>	130-095-198
MSC	<b>Stemgent Human MSC Characterization Set</b>	Detection of mesenchymal stem cells (MSCs) derived from human bone marrow and other sources by immunocytochemistry (ICC)	for 50 assays	130-095-614

For footnotes refer to section important notices

## Kits for cell detection and enumeration • Mouse

	Product	Description	Capacity/Content/ Components	Order no.
AP	<b>Stemgent Alkaline Phosphatase Staining Kit II, mouse<sup>1)</sup></b>	Detection of alkaline phosphatase–positive cells	for 50 assays	130-095-616
AP	<b>Stemgent Alkaline Phosphatase Staining Kit<sup>1)</sup></b>	Detection of alkaline phosphatase–positive cells	for 50 assays	130-095-610
ES/iPS	<b>Stemgent Mouse ES/iPS Cell Characterization Set</b>	Detection of alkaline phosphatase activity and three pluripotency biomarkers SSEA-1, Oct4, and Nanog	50 assays	130-095-612
ES/iPS	<b>Stemgent Mouse/Human ES/iPS Cell Nuclear Marker Set</b>	Detection of Nanog, Sox2, and Oct4	for 50 assays	130-095-615
ES/iPS	<b>Stemgent Pluripotency Characterization Set</b>	Detection of alkaline phosphatase activity, cell-surface stage-specific antigens (SSEA-1, SSEA-3, and SSEA-4) as well as expression of TRA-1-60 and TRA-1-81 antigens	for 50 assays	130-095-611
Lin	<b>Lineage Cell Detection Cocktail-Biotin, m, mouse</b>	Labeling of lineage <sup>+</sup> cells from mouse bone marrow	for 100 tests <sup>6)</sup>	130-092-613

For footnotes refer to section important notices

## MACS Control Cocktails • Human

	Product	Description	Capacity/Content/ Components	Order no.
CD34	<b>MC CD34 Stem Cell Cocktail, human</b>	Control staining of human stem cells after isolation with the CD34 MicroBead Kit or the Indirect CD34 MicroBead Kit	for 50 tests <sup>1)</sup>	130-093-427
CD34/ CD133	<b>MC CD34/CD133 Stem Cell Cocktail, human</b>	For control staining of human stem cells after isolation with the CD133 MicroBead Kit	for 50 tests <sup>1)</sup>	130-092-882

For footnotes refer to section important notices

## Media and matrices

Product	Description	Capacity/Content/ Components	Order no.
<b>CellMates Accumax Cell Dissociation Solution<sup>®)</sup></b>	A mixture of proteolytic and collagenolytic enzymes that dissociate cell clumps in a variety of cell lines	100 mL	130-095-546
<b>CellMates Accutase Cell Detachment Solution<sup>®)</sup></b>	Solution contains no components of mammalian or bacterial origin and is gentler on cell membranes than conventional trypsin solutions when detaching human cells in cultures	100 mL	130-095-545
<b>CryoStem Freezing Medium<sup>™)</sup></b>	Xeno-free medium for the cryopreservation of human stem cells	5 × 10 mL	130-095-847
<b>CytoMix – MSC, human</b>	Composition of cytokines for efficient expansion of human mesenchymal stromal cells	100 µg	130-093-552
<b>HSC-CFU basic, human</b>	Basic HSC enumeration medium	80 mL	130-091-275
<b>HSC-CFU complete w/o Epo, human</b>	HSC enumeration medium without Epo	100 mL	130-091-277
<b>HSC-CFU complete w/o Epo, human</b>	HSC enumeration medium without Epo	24 × 3 mL	130-091-276
<b>HSC-CFU complete with Epo, human</b>	HSC enumeration medium with Epo	100 mL	130-091-280
<b>HSC-CFU complete with Epo, human</b>	HSC enumeration medium with Epo	24 × 3 mL	130-091-278
<b>HSC-CFU lite with Epo, human</b>	HSC enumeration medium with Epo but without G-CSF or IL-6	100 mL	130-091-281
<b>HSC-CFU lite with Epo, human</b>	HSC enumeration medium with Epo but without G-CSF or IL-6	24 × 3 mL	130-091-282
<b>MSC Suppression Inspector, human</b>	For functional characterization of human mesenchymal stem cells (MSCs)	2.5 mL	130-096-207
<b>NH AdipoDiff Medium, human</b>	Differentiation of human NH stem cells to adipocytes	100 mL	130-091-677
<b>NH CFU-F Medium, human</b>	Enumeration of human nonhematopoietic stem cells	24 × 5 mL	130-091-676
<b>NH ChondroDiff Medium, human</b>	Differentiation of human NH stem cells to chondrocytes	100 mL	130-091-679
<b>NH Expansion Medium, human</b>	Expansion of human NH stem cells	500 mL	130-091-680
<b>NH OsteoDiff Medium, human</b>	Differentiation of human NH stem cells to osteoblasts	100 mL	130-091-678
<b>Stemedia NutriStem XF/FF Culture Medium<sup>™)</sup></b>	A defined xeno-free, low growth factor human ESC/iPSC culture medium that enables maintenance and expansion of pluripotent stem cells in a feeder-free environment	500 mL	130-095-543
<b>Stemedia NutriStem XF/FF Culture Medium<sup>™)</sup></b>	A defined xeno-free, low growth factor human ESC/iPSC culture medium that enables maintenance and expansion of pluripotent stem cells in a feeder-free environment	100 mL	130-095-544
<b>Stemgent Mouse Laminin<sup>®)</sup></b>	A cell attachment matrix for maintaining the undifferentiated state	1 mg	130-095-602
<b>Stemgent Pluriton mRNA Reprogramming Medium<sup>®)</sup></b>	Defined, xeno-free medium optimized for mRNA based cellular reprogramming of human cells	500 mL 0.2 mL	130-096-820

For footnotes refer to section important notices

## Cytokines • Human

Product	Description	Capacity/Content/ Components	Order no.
Activin A	<b>Stemfactor Activin A (Human Recombinant)</b> Recombinant human activin A	5 µg	130-095-547
ANGPTL5	<b>Human ANGPTL5, research grade</b> Recombinant human angiopoietin-like 5	5 µg	130-096-125
ANGPTL5	<b>Human ANGPTL5, research grade</b> Recombinant human angiopoietin-like 5	25 µg	130-096-126
BDNF	<b>Human BDNF, research grade</b> Recombinant human brain-derived neurotrophic factor	2 µg	130-096-285
BDNF	<b>Human BDNF, research grade</b> Recombinant human brain-derived neurotrophic factor	10 µg	130-093-811
BDNF	<b>Human BDNF, research grade</b> Recombinant human brain-derived neurotrophic factor	100 µg	130-096-286
BMP-2	<b>Human BMP-2, research grade</b> Recombinant human bone morphogenetic protein 2	2 µg	130-093-814
BMP-2	<b>Human BMP-2, research grade</b> Recombinant human bone morphogenetic protein 2	10 µg	130-093-812
BMP-2	<b>Human BMP-2, research grade</b> Recombinant human bone morphogenetic protein 2	100 µg	130-094-616
BMP-4	<b>Stemfactor BMP-4 (Human Recombinant)</b> Recombinant human bone morphogenetic protein 4	10 µg	130-095-549
BMP-6	<b>Human BMP-6, research grade</b> Recombinant human bone morphogenetic protein 6	2 µg	130-093-816
BMP-6	<b>Human BMP-6, research grade</b> Recombinant human bone morphogenetic protein 6	10 µg	130-093-817

For footnotes refer to section important notices

	Product	Description	Capacity/Content/ Components	Order no.
BMP-7	<b>Human BMP-7, research grade</b>	Recombinant human bone morphogenetic protein 7	10 µg	130-093-818
EG-VEGF	<b>Human EG-VEGF, research grade</b>	Recombinant human endocrine gland-derived vascular endothelial growth factor	20 µg	130-093-829
EGF	<b>Human EGF, research grade</b>	Recombinant human epidermal growth factor	100 µg	130-093-825
EGF	<b>Human EGF, research grade</b>	Recombinant human epidermal growth factor	500 µg	130-093-826
EGF	<b>Human EGF, research grade</b>	Recombinant human epidermal growth factor	1000 µg	130-093-827
FGF-2	<b>Human FGF-2, premium grade</b>	Recombinant human fibroblast growth factor 2	10 µg	130-093-839
FGF-2	<b>Human FGF-2, premium grade</b>	Recombinant human fibroblast growth factor 2	50 µg	130-093-840
FGF-2	<b>Human FGF-2, premium grade</b>	Recombinant human fibroblast growth factor 2	100 µg	130-093-564
FGF-2	<b>Human FGF-2, premium grade</b>	Recombinant human fibroblast growth factor 2	200 µg	130-093-841
FGF-2	<b>Human FGF-2, premium grade</b>	Recombinant human fibroblast growth factor 2	1000 µg	130-093-842
FGF-2	<b>Human FGF-2, premium grade</b>	Recombinant human fibroblast growth factor 2	2000 µg	130-093-843
FGF-2	<b>Human FGF-2, research grade</b>	Recombinant human fibroblast growth factor 2	10 µg	130-093-837
FGF-2	<b>Human FGF-2, research grade</b>	Recombinant human fibroblast growth factor 2	50 µg	130-093-838
FGF-4	<b>Human FGF-4, research grade</b>	Recombinant human fibroblast growth factor 4	25 µg	130-093-845
FGF-8b	<b>Human FGF-8b, premium grade</b>	Recombinant human fibroblast growth factor 8b	10 µg	130-095-737
FGF-8b	<b>Human FGF-8b, premium grade</b>	Recombinant human fibroblast growth factor 8b	25 µg	130-095-738
FGF-8b	<b>Human FGF-8b, premium grade</b>	Recombinant human fibroblast growth factor 8b	100 µg	130-095-740
FGF-8b	<b>Human FGF-8b, premium grade</b>	Recombinant human fibroblast growth factor 8b	1000 µg	130-095-741
FGF-8b	<b>Human FGF-8b, research grade</b>	Recombinant human fibroblast growth factor 8b	10 µg	130-095-731
FGF-8b	<b>Human FGF-8b, research grade</b>	Recombinant human fibroblast growth factor 8b	25 µg	130-095-733
Flt3-Ligand	<b>Human Flt3-Ligand, premium grade</b>	Recombinant human Flt3-ligand	10 µg	130-096-476
Flt3-Ligand	<b>Human Flt3-Ligand, premium grade</b>	Recombinant human Flt3-ligand	25 µg	130-096-477
Flt3-Ligand	<b>Human Flt3-Ligand, premium grade</b>	Recombinant human Flt3-ligand	100 µg	130-096-479
Flt3-Ligand	<b>Human Flt3-Ligand, premium grade</b>	Recombinant human Flt3-ligand	1000 µg	130-096-480
Flt3-Ligand	<b>Human Flt3-Ligand, research grade</b>	Recombinant human Flt3-ligand	10 µg	130-093-854
Flt3-Ligand	<b>Human Flt3-Ligand, research grade</b>	Recombinant human Flt3-ligand	25 µg	130-096-474
G-CSF	<b>Human G-CSF, premium grade</b>	Recombinant human granulocyte colony-stimulating factor	10 µg	130-093-860
G-CSF	<b>Human G-CSF, premium grade</b>	Recombinant human granulocyte colony-stimulating factor	25 µg	130-096-347
G-CSF	<b>Human G-CSF, premium grade</b>	Recombinant human granulocyte colony-stimulating factor	100 µg	130-093-861
G-CSF	<b>Human G-CSF, premium grade</b>	Recombinant human granulocyte colony-stimulating factor	1000 µg	130-094-265
G-CSF	<b>Human G-CSF, research grade</b>	Recombinant human granulocyte colony-stimulating factor	10 µg	130-096-345
G-CSF	<b>Human G-CSF, research grade</b>	Recombinant human granulocyte colony-stimulating factor	25 µg	130-096-346
GM-CSF	<b>Human GM-CSF, premium grade</b>	Recombinant human granulocyte macrophage colony-stimulating factor	10 µg	130-093-864
GM-CSF	<b>Human GM-CSF, premium grade</b>	Recombinant human granulocyte macrophage colony-stimulating factor	50 µg	130-093-865
GM-CSF	<b>Human GM-CSF, premium grade</b>	Recombinant human granulocyte macrophage colony-stimulating factor	100 µg	130-093-866
GM-CSF	<b>Human GM-CSF, premium grade</b>	Recombinant human granulocyte macrophage colony-stimulating factor	500 µg	130-093-867
GM-CSF	<b>Human GM-CSF, premium grade</b>	Recombinant human granulocyte macrophage colony-stimulating factor	1000 µg	130-093-868
GM-CSF	<b>Human GM-CSF, research grade</b>	Recombinant human granulocyte macrophage colony-stimulating factor	10 µg	130-093-862
GM-CSF	<b>Human GM-CSF, research grade</b>	Recombinant human granulocyte macrophage colony-stimulating factor	50 µg	130-095-372
HGF	<b>Human HGF, research grade</b>	Recombinant human hepatocyte growth factor	5 µg	130-093-871
HGF	<b>Human HGF, research grade</b>	Recombinant human hepatocyte growth factor	25 µg	130-093-872
IGF-1	<b>Human IGF-1, research grade</b>	Recombinant human insulin-like growth factor 1	50 µg	130-093-885
IGF-1	<b>Human IGF-1, research grade</b>	Recombinant human insulin-like growth factor 1	100 µg	130-093-886
IGF-1	<b>Human IGF-1, research grade</b>	Recombinant human insulin-like growth factor 1	1000 µg	130-093-887

For footnotes refer to section important notices

	Product	Description	Capacity/Content/ Components	Order no.
IL-3	<b>Human IL-3, premium grade</b>	Recombinant human interleukin 3	25 µg	130-095-070
IL-3	<b>Human IL-3, premium grade</b>	Recombinant human interleukin 3	10 µg	130-095-071
IL-3	<b>Human IL-3, premium grade</b>	Recombinant human interleukin 3	100 µg	130-095-069
IL-3	<b>Human IL-3, premium grade</b>	Recombinant human interleukin 3	1000 µg	130-095-068
IL-3	<b>Human IL-3, research grade</b>	Recombinant human interleukin 3	10 µg	130-093-908
IL-3	<b>Human IL-3, research grade</b>	Recombinant human interleukin 3	25 µg	130-093-909
IL-6	<b>Human IL-6, premium grade</b>	Recombinant human interleukin 6	10 µg	130-095-352
IL-6	<b>Human IL-6, premium grade</b>	Recombinant human interleukin 6	25 µg	130-093-931
IL-6	<b>Human IL-6, premium grade</b>	Recombinant human interleukin 6	100 µg	130-093-932
IL-6	<b>Human IL-6, premium grade</b>	Recombinant human interleukin 6	500 µg	130-093-933
IL-6	<b>Human IL-6, premium grade</b>	Recombinant human interleukin 6	1000 µg	130-093-934
IL-6	<b>Human IL-6, research grade</b>	Recombinant human interleukin 6	10 µg	130-095-365
IL-6	<b>Human IL-6, research grade</b>	Recombinant human interleukin 6	25 µg	130-093-929
IL-6	<b>Human IL-6, research grade</b>	Recombinant human interleukin 6	100 µg	130-095-366
IL-11	<b>Human IL-11, research grade</b>	Recombinant human interleukin 11	2 µg	130-094-623
IL-11	<b>Human IL-11, research grade</b>	Recombinant human interleukin 11	10 µg	130-093-950
M-CSF	<b>Human M-CSF, premium grade</b>	Recombinant human macrophage-colony stimulating factor	10 µg	130-096-485
M-CSF	<b>Human M-CSF, premium grade</b>	Recombinant human macrophage-colony stimulating factor	25 µg	130-096-489
M-CSF	<b>Human M-CSF, premium grade</b>	Recombinant human macrophage-colony stimulating factor	100 µg	130-096-492
M-CSF	<b>Human M-CSF, premium grade</b>	Recombinant human macrophage-colony stimulating factor	1000 µg	130-096-493
M-CSF	<b>Human M-CSF, research grade</b>	Recombinant human macrophage-colony stimulating factor	10 µg	130-093-963
M-CSF	<b>Human M-CSF, research grade</b>	Recombinant human macrophage-colony stimulating factor	25 µg	130-096-491
NGF-β	<b>Human NGF-β, research grade</b>	Recombinant human nerve growth factor β	5 µg	130-093-971
NGF-β	<b>Human NGF-β, research grade</b>	Recombinant human nerve growth factor β	20 µg	130-093-972
Noggin	<b>Stemfactor Noggin (Human Recombinant)</b>	Recombinant human noggin	10 µg	130-095-548
PDGF-AA	<b>Human PDGF-AA, research grade</b>	Recombinant human platelet-derived growth factor AA	2 µg	130-093-977
PDGF-AA	<b>Human PDGF-AA, research grade</b>	Recombinant human platelet-derived growth factor AA	10 µg	130-093-978
PDGF-AB	<b>Human PDGF-AB, research grade</b>	Recombinant human platelet-derived growth factor AB	2 µg	130-094-629
PDGF-AB	<b>Human PDGF-AB, research grade</b>	Recombinant human platelet-derived growth factor AB	10 µg	130-093-979
PDGF-BB	<b>Human PDGF-BB, research grade</b>	Recombinant human platelet-derived growth factor BB	2 µg	130-093-980
PDGF-BB	<b>Human PDGF-BB, research grade</b>	Recombinant human platelet-derived growth factor BB	10 µg	130-093-982
PDGF-BB	<b>Human PDGF-BB, research grade</b>	Recombinant human platelet-derived growth factor BB	100 µg	130-094-630
PDGF-BB	<b>Human PDGF-BB, research grade</b>	Recombinant human platelet-derived growth factor BB	2 µg	130-093-981
PDGF-BB	<b>Human PDGF-BB, research grade</b>	Recombinant human platelet-derived growth factor BB	10 µg	130-093-983
PDGF-BB	<b>Human PDGF-BB, research grade</b>	Recombinant human platelet-derived growth factor BB	50 µg	130-093-984
SCF	<b>Human SCF, research grade</b>	Recombinant human stem cell factor	2 µg	130-093-990
SCF	<b>Human SCF, research grade</b>	Recombinant human stem cell factor	10 µg	130-093-991
SCF	<b>Human SCF, research grade</b>	Recombinant human stem cell factor	50 µg	130-093-992
SCF	<b>Human SCF, research grade</b>	Recombinant human stem cell factor	100 µg	130-093-993
SCF	<b>Human SCF, research grade</b>	Recombinant human stem cell factor	1000 µg	130-094-303
SDF-1α	<b>Human SDF-1α, research grade</b>	Recombinant human stromal cell-derived factor 1α	10 µg	130-093-996
SDF-1α	<b>Human SDF-1α, research grade</b>	Recombinant human stromal cell-derived factor 1α	25 µg	130-096-137
SDF-1α	<b>Human SDF-1α, research grade</b>	Recombinant human stromal cell-derived factor 1α	100 µg	130-093-997
SDF-1α	<b>Human SDF-1α, research grade</b>	Recombinant human stromal cell-derived factor 1α	1000 µg	130-093-998

For footnotes refer to section important notices

	Product	Description	Capacity/Content/ Components	Order no.
SHH (C24II)	<b>Human SHH (C24II), premium grade</b>	Recombinant human sonic hedgehog (C24II)	10 µg	130-095-721
SHH (C24II)	<b>Human SHH (C24II), premium grade</b>	Recombinant human sonic hedgehog (C24II)	25 µg	130-095-723
SHH (C24II)	<b>Human SHH (C24II), premium grade</b>	Recombinant human sonic hedgehog (C24II)	100 µg	130-095-727
SHH (C24II)	<b>Human SHH (C24II), premium grade</b>	Recombinant human sonic hedgehog (C24II)	1000 µg	130-095-730
SHH (C24II)	<b>Human SHH (C24II), research grade</b>	Recombinant human sonic hedgehog (C24II)	10 µg	130-095-717
SHH (C24II)	<b>Human SHH (C24II), research grade</b>	Recombinant human sonic hedgehog (C24II)	25 µg	130-095-718
TGF-α	<b>Human TGF-α, research grade</b>	Recombinant human transforming growth factor α	100 µg	130-094-000
TGF-β1	<b>Human TGF-β1, premium grade</b>	Recombinant human transforming growth factor β1	5 µg	130-095-067
TGF-β2	<b>Human TGF-β2, research grade</b>	Recombinant human transforming growth factor β2	1 µg	130-094-004
TGF-β2	<b>Human TGF-β2, research grade</b>	Recombinant human transforming growth factor β2	5 µg	130-094-005
TGF-β3	<b>Human TGF-β3, research grade</b>	Recombinant human transforming growth factor β3	1 µg (liquid)	130-094-006
TGF-β3	<b>Human TGF-β3, research grade</b>	Recombinant human transforming growth factor β3	5 µg (liquid)	130-094-007
TGF-β3	<b>Human TGF-β3, research grade</b>	Recombinant human transforming growth factor β3	20 µg (liquid)	130-094-008
TNF-α	<b>Human TNF-α, premium grade</b>	Recombinant human tumor necrosis factor α	10 µg	130-094-014
TNF-α	<b>Human TNF-α, premium grade</b>	Recombinant human tumor necrosis factor α	10 µg	130-094-022
TNF-α	<b>Human TNF-α, premium grade</b>	Recombinant human tumor necrosis factor α	50 µg	130-094-023
TNF-α	<b>Human TNF-α, premium grade</b>	Recombinant human tumor necrosis factor α	100 µg	130-094-024
TNF-α	<b>Human TNF-α, premium grade</b>	Recombinant human tumor necrosis factor α	1000 µg	130-094-562
TNF-α	<b>Human TNF-α, research grade</b>	Recombinant human tumor necrosis factor α	10 µg	130-094-015
TNF-α	<b>Human TNF-α, research grade</b>	Recombinant human tumor necrosis factor α	50 µg	130-094-017
TNF-α	<b>Human TNF-α, research grade</b>	Recombinant human tumor necrosis factor α	100 µg	130-094-018
TNF-α	<b>Human TNF-α, research grade</b>	Recombinant human tumor necrosis factor α	750 µg	130-094-019
TNF-α	<b>Human TNF-α, research grade</b>	Recombinant human tumor necrosis factor α	1000 µg	130-094-020
TPO	<b>Human TPO, research grade</b>	Recombinant human thrombopoietin	2 µg	130-094-010
TPO	<b>Human TPO, research grade</b>	Recombinant human thrombopoietin	10 µg	130-094-011
TPO	<b>Human TPO, research grade</b>	Recombinant human thrombopoietin	10 µg	130-094-012
TPO	<b>Human TPO, research grade</b>	Recombinant human thrombopoietin	100 µg	130-094-013
VEGF	<b>Human VEGF (121 aa), research grade</b>	Recombinant human vascular endothelial growth factor (121 aa)	5 µg	130-094-029
VEGF	<b>Human VEGF (121 aa), research grade</b>	Recombinant human vascular endothelial growth factor (121 aa)	100 µg	130-094-030
VEGF	<b>Human VEGF (165 aa), research grade</b>	Recombinant human vascular endothelial growth factor (165 aa)	5 µg	130-094-031
VEGF	<b>Human VEGF (165 aa), research grade</b>	Recombinant human vascular endothelial growth factor (165 aa)	20 µg	130-094-033
VEGF	<b>Human VEGF (165 aa), research grade</b>	Recombinant human vascular endothelial growth factor (165 aa)	100 µg	130-094-034
VEGF	<b>Human VEGF (165 aa), research grade</b>	Recombinant human vascular endothelial growth factor (165 aa)	500 µg	130-094-035

For footnotes refer to section important notices

## Cytokines • Mouse

	Product	Description	Capacity/Content/ Components	Order no.
EGF	<b>Mouse EGF, research grade</b>	Recombinant mouse epidermal growth factor	100 µg	130-094-036
EGF	<b>Mouse EGF, research grade</b>	Recombinant mouse epidermal growth factor	500 µg	130-094-037
FGF-8b	<b>Mouse FGF-8b, premium grade</b>	Recombinant mouse fibroblast growth factor 8b	10 µg	130-096-102
FGF-8b	<b>Mouse FGF-8b, premium grade</b>	Recombinant mouse fibroblast growth factor 8b	25 µg	130-096-103
FGF-8b	<b>Mouse FGF-8b, premium grade</b>	Recombinant mouse fibroblast growth factor 8b	100 µg	130-096-104
FGF-8b	<b>Mouse FGF-8b, premium grade</b>	Recombinant mouse fibroblast growth factor 8b	1000 µg	130-096-105
FGF-8b	<b>Mouse FGF-8b, research grade</b>	Recombinant mouse fibroblast growth factor 8b	10 µg	130-096-100
FGF-8b	<b>Mouse FGF-8b, research grade</b>	Recombinant mouse fibroblast growth factor 8b	25 µg	130-096-101
Flt3-Ligand	<b>Mouse Flt3-Ligand, research grade</b>	Recombinant mouse Flt3 ligand	10 µg	130-094-038
G-CSF	<b>Mouse G-CSF, research grade</b>	Recombinant mouse granulocyte colony-stimulating factor	2 µg	130-094-039
G-CSF	<b>Mouse G-CSF, research grade</b>	Recombinant mouse granulocyte colony-stimulating factor	10 µg	130-094-040
G-CSF	<b>Mouse G-CSF, research grade</b>	Recombinant mouse granulocyte colony-stimulating factor	100 µg	130-094-041
GM-CSF	<b>Mouse GM-CSF, premium grade</b>	Recombinant mouse granulocyte macrophage colony-stimulating factor	10 µg	130-095-742
GM-CSF	<b>Mouse GM-CSF, premium grade</b>	Recombinant mouse granulocyte macrophage colony-stimulating factor	25 µg	130-095-793
GM-CSF	<b>Mouse GM-CSF, premium grade</b>	Recombinant mouse granulocyte macrophage colony-stimulating factor	100 µg	130-095-739
GM-CSF	<b>Mouse GM-CSF, premium grade</b>	Recombinant mouse granulocyte macrophage colony-stimulating factor	1000 µg	130-095-735
GM-CSF	<b>Mouse GM-CSF, research grade</b>	Recombinant mouse granulocyte macrophage colony-stimulating factor	10 µg	130-094-043
GM-CSF	<b>Mouse GM-CSF, research grade</b>	Recombinant mouse granulocyte macrophage colony-stimulating factor	25 µg	130-095-746
GM-CSF	<b>Mouse GM-CSF, research grade</b>	Recombinant mouse granulocyte macrophage colony-stimulating factor	100 µg	130-094-044
IL-3	<b>Mouse IL-3, research grade</b>	Recombinant mouse interleukin 3	2 µg	130-094-056
IL-3	<b>Mouse IL-3, research grade</b>	Recombinant mouse interleukin 3	10 µg	130-094-057
IL-3	<b>Mouse IL-3, research grade</b>	Recombinant mouse interleukin 3	100 µg	130-094-633
IL-3	<b>Mouse IL-3, research grade</b>	Recombinant mouse interleukin 3	1000 µg	130-094-661
IL-6	<b>Mouse IL-6, research grade</b>	Recombinant mouse interleukin 6	2 µg	130-094-634
IL-6	<b>Mouse IL-6, research grade</b>	Recombinant mouse interleukin 6	10 µg	130-094-065
IL-6	<b>Mouse IL-6, research grade</b>	Recombinant mouse interleukin 6	100 µg	130-094-635
LIF	<b>Mouse LIF, premium grade</b>	Recombinant mouse leukemia inhibitory factor	10 µg	130-095-777
LIF	<b>Mouse LIF, premium grade</b>	Recombinant mouse leukemia inhibitory factor	25 µg	130-095-778
LIF	<b>Mouse LIF, premium grade</b>	Recombinant mouse leukemia inhibitory factor	100 µg	130-095-779
LIF	<b>Mouse LIF, research grade</b>	Recombinant mouse leukemia inhibitory factor	10 µg	130-095-772
LIF	<b>Mouse LIF, research grade</b>	Recombinant mouse leukemia inhibitory factor	25 µg	130-095-775
SCF	<b>Mouse SCF, research grade</b>	Recombinant mouse stem cell factor	2 µg	130-094-078
SCF	<b>Mouse SCF, research grade</b>	Recombinant mouse stem cell factor	10 µg	130-094-079
SCF	<b>Mouse SCF, research grade</b>	Recombinant mouse stem cell factor	100 µg	130-094-080
SCF	<b>Mouse SCF, research grade</b>	Recombinant mouse stem cell factor	1000 µg	130-094-902
TNF-α	<b>Mouse TNF-α, research grade</b>	Recombinant mouse tumor necrosis factor α	5 µg	130-094-084
TNF-α	<b>Mouse TNF-α, research grade</b>	Recombinant mouse tumor necrosis factor α	20 µg	130-094-085
TPO	<b>Mouse TPO, research grade</b>	Recombinant mouse thrombopoietin	2 µg	130-094-082
TPO	<b>Mouse TPO, research grade</b>	Recombinant mouse thrombopoietin	10 µg	130-094-083
TPO	<b>Mouse TPO, research grade</b>	Recombinant mouse thrombopoietin	100 µg	130-096-301
VEGF	<b>Mouse VEGF (164 aa), research grade</b>	Recombinant mouse vascular endothelial growth factor	5 µg	130-094-086
VEGF	<b>Mouse VEGF (164 aa), research grade</b>	Recombinant mouse vascular endothelial growth factor	20 µg	130-094-087

For footnotes refer to section important notices

## Small molecules

Product	Description	Capacity/Content/ Components	Order no.
<b>hES Cell Cloning &amp; Recovery Supplement<sup>1)</sup></b>	A multi use hES supplement, which can significantly increase the likelihood of successful sub-cloning from single cells, improve thawing efficiency and attachment after passaging and is a valuable tool when working with hES cells under stressful condition	5 × 100 µL	130-095-690
<b>Stemolecule (-)-Indolactam V<sup>1)</sup></b>	PKC isozyme inhibitor	300 µg	130-095-570
<b>Stemolecule A769662<sup>1)</sup></b>	A type of thienopyridone and an effective AMPK activator	10 mg	130-095-595
<b>Stemolecule A83-01<sup>1)</sup></b>	A potent small molecule that selectively inhibits the TGF-β type I receptor ALK5, the Activin/Nodal receptor ALK4, and the nodal receptor ALK7	2 mg	130-095-565
<b>Stemolecule ALK5 Inhibitor<sup>1)</sup></b>	A potent small molecule that selectively inhibits the TGF-β family type I receptor, activin receptor-like kinase (ALK5)	1 mg	130-095-566
<b>Stemolecule All-Trans Retinoic Acid<sup>1)</sup></b>	The oxidized form of Vitamin A	100 mg	130-095-571
<b>Stemolecule BI-D1870<sup>1)</sup></b>	An inhibitor of Ribosomal S6 Kinase (RSK1, RSK2, RSK3 and RSK4 isoforms)	10 mg	130-095-594
<b>Stemolecule BIO<sup>1)</sup></b>	A potent, reversible and ATP-competitive inhibitor for GSK-3α/β in the Wnt-signaling pathway	2 mg	130-095-554
<b>Stemolecule BIX01294<sup>1)</sup></b>	Enhances reprogramming efficiency of neural progenitor cells to the same levels as when four transcription factors (Oct4, Klf4, Sox2, and c-Myc) were introduced to somatic cells and is a selective inhibitor of G9a histone methyl transferase (G9a HMTase)	5 mg	130-095-553
<b>Stemolecule CHIR 99021<sup>1)</sup></b>	The most selective inhibitor of glycogen synthase kinase 3β (GSK3β)	2 mg	130-095-555
<b>Stemolecule Cyclic Pifithrin-α<sup>1)</sup></b>	A transcriptional inhibitor of p53	5 mg	130-095-589
<b>Stemolecule Cyclopamine<sup>1)</sup></b>	A specific inhibitor of hedgehog signaling by direct binding to the heptahelical bundle of Smoothened	2 mg	130-095-572
<b>Stemolecule DAPT<sup>1)</sup></b>	DAPT may be useful in modulating Notch activity in embryonic stem cell differentiation studies	5 mg	130-095-590
<b>Stemolecule Dexamethasone<sup>1)</sup></b>	A glucocorticoid receptor agonist	100 mg	130-095-573
<b>Stemolecule Dorsomorphin<sup>1)</sup></b>	A potent inhibitor of AMP-activated protein kinase (AMPK) and bone morphogenic protein (BMP) signaling, functioning through inhibition of BMP type I receptors ALK2, ALK3, and ALK6 and thus blocks BMP-mediated SMAD1/5/8 phosphorylation	2 mg	130-095-574
<b>Stemolecule Doxycycline hyclate<sup>1)</sup></b>	A derivative of tetracycline, is used to induce expression of the Stemgent iPSC Generation DOX Inducible products	10 mg	130-095-567
<b>Stemolecule Epigenetic Modifier Set<sup>1)</sup></b>	A complete set of small molecules for modulating epigenetic effects of DNA histones. The set consists of four cell-permeable small molecules: BIX01294, Sodium Butyrate, RG108, and Valproic Acid (VPA)	1 set	130-095-537
<b>Stemolecule GDC0941<sup>1)</sup></b>	A selective inhibitor of class I PI3 kinase	5 mg	130-095-973
<b>Stemolecule GSK429286 A<sup>1)</sup></b>	Inhibits Rho-associated, coiled-coil containing protein kinase (ROCK)	2 mg	130-095-592
<b>Stemolecule IDE-1<sup>1)</sup></b>	An inducer of definitive endoderm (IDE) from embryonic stem (ES) cells in mouse and human ES cell cultures	2 mg	130-095-576
<b>Stemolecule IDE-2<sup>1)</sup></b>	An inducer of definitive endoderm (IDE) from embryonic stem (ES) cells in mouse and human ES cell cultures	2 mg	130-095-577
<b>Stemolecule IPA-3<sup>1)</sup></b>	An allosteric inhibitor of Pak kinase activation	5 mg	130-095-587
<b>Stemolecule iPS Cell Enhancer Set<sup>1)</sup></b>	A proven set of small molecules designed to improve iPS cell generation efficiency. The set consists of four cell-permeable small molecules: RG108, BIX1294, Valproic Acid (VPA), and R(+)-Bay K 8644	1 set	130-095-538
<b>Stemolecule KAAD-Cyclopamine<sup>1)</sup></b>	A sonic hedgehog antagonist known to target Smoothened	100 µg	130-095-578
<b>Stemolecule Ku-0063794<sup>1)</sup></b>	An inhibitor of the mammalian target of rapamycin (mTOR)	2 mg	130-095-593
<b>Stemolecule LDN-193189<sup>1)</sup></b>	Stemolecule LDN-193189 is a cell permeable, small molecule inhibitor of BMP type I receptors ALK2 and ALK3	2 mg	130-096-226
<b>Stemolecule LY294002<sup>1)</sup></b>	A selective, cell permeable, specific inhibitor of PI3 kinase	5 mg	130-095-969
<b>Stemolecule LY411575<sup>1)</sup></b>	A selective, cell permeable gamma secretase inhibitor which blocks Notch activation	5 mg	130-095-972
<b>Stemolecule MAPK Signaling Pathway Modulator Set<sup>1)</sup></b>	Three cell-permeable small molecules: PD0325901, PD173074, and SC1 (Pluripotin), which can modulate the MAPK signaling cascade	1 set	130-095-539
<b>Stemolecule PD0325901<sup>1)</sup></b>	Selectively binds and inhibits MEK	2 mg	130-095-557

For footnotes refer to section important notices

Product	Description	Capacity/Content/ Components	Order no.
<b>Stemolecule PD173074<sup>1)</sup></b>	Inhibits the FGF signaling pathway	2 mg	130-095-559
<b>Stemolecule Pifithrin-<math>\alpha</math><sup>1)</sup></b>	A small molecule inhibitor of p53 dependent apoptosis and transcriptional activation for cyclin G, p21/waf1, and mdm2 expression	5 mg	130-095-588
<b>Stemolecule Pifithrin-<math>\mu</math><sup>1)</sup></b>	Inhibits p53 binding to mitochondria by reducing its affinity for anti-apoptotic proteins Bcl-2 and Bcl-XL. PFT- $\mu$ acts differently from PFT- $\alpha$ as PFT- $\mu$ inhibits the p53 mitochondrial pathway without affecting any additional transcriptional functions of p53	5 mg	130-095-617
<b>Stemolecule Purmorphamine<sup>1)</sup></b>	Promotes the differentiation of human and murine mesenchymal progenitor cells into osteoblasts	5 mg	130-095-560
<b>Stemolecule Pyrintegrin<sup>1)</sup></b>	A selective, cell permeable, small molecule that was identified to enhance the survival of human embryonic stem cells (hESCs)	1 mg	130-095-853
<b>Stemolecule R(+)<b>Bay K 8644</b><sup>1)</sup></b>	A small molecule that enhances reprogramming efficiency when used with BIX01294	5 mg	130-095-564
<b>Stemolecule RG108<sup>1)</sup></b>	A cell-permeable, specific DNA methyltransferase inhibitor that displays anti-proliferative properties with no detectable cytotoxic effects	10 mg	130-095-552
<b>Stemolecule Rock I Inhibitor<sup>1)</sup></b>	A specific inhibitor for type 1 Rho-associated, coiled-coil containing protein kinase (ROCK) that prevents apoptosis and enhances the survival and cloning efficiency of dissociated human embryonic stem (ES) cells	2 mg	130-095-579
<b>Stemolecule Rock II Inhibitor<sup>1)</sup></b>	A specific inhibitor for type 2 Rho-associated, coiled-coil containing protein kinase (ROCK) that prevents apoptosis and enhances the survival and cloning efficiency of dissociated human embryonic stem (ES) cells	2 mg	130-095-580
<b>Stemolecule ROCK Signaling and Survival Pathway Set<sup>1)</sup></b>	A proven set of small molecules designed to enhance survival and cloning efficiency. The set consists of four cell-permeable small molecules: Y27632, Thiazovivin, Rock I Inhibitor, and Rock II Inhibitor	1 set	130-095-540
<b>Stemolecule SB431542<sup>1)</sup></b>	Shown to stimulate proliferation, differentiation, and sheet formation of endothelial cells derived from embryonic stem cells via ALK receptor inhibition	5 mg	130-095-561
<b>Stemolecule SC1 (Pluripotin)<sup>1)</sup></b>	Maintains mES cells in an undifferentiated self-renewal state in the absence of LIF, feeder cells, or serum	1 mg	130-095-562
<b>Stemolecule SHH Antagonist<sup>1)</sup></b>	An inhibitor of Sonic hedgehog signaling (SHH)	2 mg	130-095-582
<b>Stemolecule SHH Signaling Pathway Modulator Set<sup>1)</sup></b>	Contains five small molecules that affect the Sonic Hedgehog Signaling pathway: Purmorphamine, Cyclopamine, KAAD-Cyclopamine, Smo Antagonist, and SHH Antagonist	1 set	130-095-541
<b>Stemolecule SMO Antagonist<sup>1)</sup></b>	An analog of SANT-2, an inhibitor of Sonic hedgehog signaling	2 mg	130-095-581
<b>Stemolecule Sodium Butyrate<sup>1)</sup></b>	A known inhibitor of histone deacetylases	500 mg	130-095-556
<b>Stemolecule TGF-beta Signaling Pathway Modulator Set<sup>1)</sup></b>	Set of small molecules for regulating the TGF- $\beta$ signaling pathway and is composed of Stemolecules, SB431542, A83-01, and ALK5 Inhibitor: activin receptor-like kinase (ALK) receptors that work as TGF- $\beta$	1 set	130-095-536
<b>Stemolecule Thiazovivin<sup>1)</sup></b>	Improves the survival of hESCs upon trypsinization. Thiazovivin in combination with inhibitors of the TGF $\beta$ receptor and the MEK pathway improve reprogramming efficiency more than 200-fold	1 mg	130-095-568
<b>Stemolecule Tranylcypromine hydrochloride<sup>1)</sup></b>	Inhibits BHC110/LSD1, a histone H3 lysine 4 demethylation enzyme with close homology to monoamine oxidases	10 mg	130-095-583
<b>Stemolecule Valproic Acid<sup>1)</sup></b>	Shown to enhance iPS generation in a three-factor transduction (Oct4, Klf4 and Sox2) without introduction of the c-Myc oncogene	5000 mg	130-095-558
<b>Stemolecule Wnt Inhibitor IWP-2<sup>1)</sup></b>	An antagonist of the Wnt/ $\beta$ -catenin pathway	2 mg	130-095-584
<b>Stemolecule Wnt Inhibitor IWP-3<sup>1)</sup></b>	An antagonist of the Wnt/ $\beta$ -catenin pathway	2 mg	130-095-585
<b>Stemolecule Wnt Inhibitor IWP-4<sup>1)</sup></b>	An antagonist of the Wnt/ $\beta$ -catenin pathway	2 mg	130-095-586
<b>Stemolecule Wnt Signaling Pathway Set<sup>1)</sup></b>	Contains five cell permeable, small molecules known to inhibit the Wnt/ $\mu$ -catenin signaling pathway: BIO, CHIR 99021, IWP-2, IWP-3, and IWP-4	1 set	130-095-542
<b>Stemolecule XAV939<sup>1)</sup></b>	An antagonist of the Wnt/ $\beta$ -catenin pathway	2 mg	130-095-591
<b>Stemolecule Y27632<sup>1)</sup></b>	A Rho-associated kinase ROCK inhibitor that enhances survival and cloning efficiency of human embryonic stem cells	2 mg	130-095-563

For footnotes refer to section important notices

## Reprogramming reagents

Product	Description	Capacity/Content/ Components	Order no.
<b>Stemgent c-Myc mRNA, human<sup>*)</sup></b>	Stemgent c-Myc mRNA encodes the c-Myc protein commonly used in cellular reprogramming systems for the generation of induced pluripotent stem (iPS) cells	20 µg	130-096-523
<b>Stemgent Klf4 mRNA, human<sup>*)</sup></b>	Stemgent Klf4 mRNA encodes the Klf4 protein commonly used in cellular reprogramming systems for the generation of induced pluripotent stem (iPS) cells	20 µg	130-096-526
<b>Stemgent Lin-28 mRNA, human<sup>*)</sup></b>	Stemgent Lin-28 mRNA encodes the Lin-28 protein commonly used in cellular reprogramming systems for the generation of induced pluripotent stem (iPS) cells	20 µg	130-096-525
<b>Stemgent mRNA Reprogramming Factors Set: hOKSML<sup>*)</sup></b>	Stemgent mRNA Reprogramming Factors Set: hOKSML contains mRNA encoding Oct4, Klf4, Sox2, c-Myc, Lin-28, and nuclear GFP (nGFP)	1 set	130-096-528
<b>Stemgent nGFP mRNA<sup>*)</sup></b>	Stemgent nGFP mRNA encodes a green fluorescent protein (GFP) that specifically localizes to the nucleus of cells	20 µg	130-096-522
<b>Stemgent Oct4 mRNA, human<sup>*)</sup></b>	Stemgent Oct4 mRNA encodes the Oct4 protein commonly used in cellular reprogramming systems for the generation of induced pluripotent stem (iPS) cells	20 µg	130-096-524
<b>Stemgent Recombinant Human c-Myc-11R</b>	Transducible human c-Myc-11R protein	4 × 50 µL	130-096-127
<b>Stemgent Recombinant Human Klf4-11R</b>	Transducible human Klf4-11R protein	4 × 50 µL	130-096-121
<b>Stemgent Recombinant Human Oct4-11R</b>	Transducible human Oct4-11R protein	4 × 50 µL	130-096-120
<b>Stemgent Recombinant Human Protein Set: OSKM-11R</b>	Set of transducible recombinant transcription factors (Oct4-11R, Sox-11R, Klf4-11R, c-Myc-11R)	16 × 50 µL	130-096-119
<b>Stemgent Recombinant Human Sox2-11R</b>	Transducible human Sox2-11R protein	4 × 50 µL	130-096-122
<b>Stemgent Reprogramming Ecotropic GFP Retrovirus<sup>*)</sup></b>	A transduction control when used to transduced mouse and rat cells	250 µL	130-095-607
<b>Stemgent Reprogramming Ecotropic Retrovirus Set: Mouse OKSM<sup>*)</sup></b>	The set consists of four retroviruses, each of which is capable of expressing one of four transcription factors (Oct4, Klf4, Sox2, and c-Myc) when transduced into mouse and rat cells and a GFP-encoding retrovirus	1 set	130-095-600
<b>Stemgent Reprogramming Ecotropic Retrovirus: Mouse c-Myc<sup>*)</sup></b>	The c-myc retrovirus, along with Oct4, Klf4, and Sox2, is capable of expressing the mouse reprogramming factors when transduced into mouse and rat cells	250 µL	130-095-606
<b>Stemgent Reprogramming Ecotropic Retrovirus: Mouse Klf4<sup>*)</sup></b>	Retrovirus for the transduction of mouse and rat cells with Klf4	250 µL	130-095-604
<b>Stemgent Reprogramming Ecotropic Retrovirus: Mouse Oct4<sup>*)</sup></b>	Retrovirus for the transduction of mouse and rat cells with Oct4	250 µL	130-095-603
<b>Stemgent Reprogramming Ecotropic Retrovirus: Mouse Sox2<sup>*)</sup></b>	Retrovirus for the transduction of mouse and rat cells with Sox2	250 µL	130-095-605
<b>Stemgent Sox2 mRNA, human<sup>*)</sup></b>	Stemgent Sox2 mRNA encodes the Sox2 protein commonly used in cellular reprogramming systems for the generation of induced pluripotent stem (iPS) cells	20 µg	130-096-527

For footnotes refer to section important notices

## Cell lines

Product	Description	Capacity/Content/ Components	Order no.
<b>Stemgent BJ Human Fibroblasts (early passage, p6)<sup>1)</sup></b>	Cells that are proven to reprogram and produce induced pluripotent stem (iPS) cells. They can be used for studying reprogramming mechanisms, generating iPS cells, or for use as a reprogramming control alongside a specific cell type	1×10 <sup>6</sup> cells per vial	130-096-726
<b>Stemgent Mouse Primary Cells-NGFP1<sup>1)</sup></b>	One of three induced pluripotent stem (iPS) cell lines that were generated by reprogramming Nanog-GFP, rtTA mouse embryonic fibroblasts (MEFs) using four Dox-inducible transcription factors (Oct4, Sox2, Klf4, and c-Myc) delivered by lentiviral vectors	2×10 <sup>5</sup> cells per vial	130-095-856
<b>Stemgent Mouse Primary Cells-NGFP2<sup>1)</sup></b>	One of three induced pluripotent stem (iPS) cell lines that were generated by reprogramming Nanog-GFP, rtTA mouse embryonic fibroblasts (MEFs) using four Dox-inducible transcription factors (Oct4, Sox2, Klf4, and c-Myc) delivered by lentiviral vectors	2×10 <sup>5</sup> cells per vial	130-095-858
<b>Stemgent Mouse Primary Cells-NGFP3<sup>1)</sup></b>	One of three induced pluripotent stem (iPS) cell lines that were generated by reprogramming Nanog-GFP, rtTA mouse embryonic fibroblasts (MEFs) using four Dox-inducible transcription factors (Oct4, Sox2, Klf4, and c-Myc) delivered by lentiviral vectors	2×10 <sup>5</sup> cells per vial	130-095-860
<b>Stemgent Mouse Primary iPS Cells-NNeo<sup>1)</sup></b>	Injection of these cells into blastocysts results in the generation of chimeric mice from which a variety of cells can be isolated for secondary reprogramming studies. For more information visit our website	2×10 <sup>5</sup> cells per vial	130-095-687
<b>Stemgent Mouse Primary iPS Cells-T1b<sup>1)</sup></b>	These cells have been shown to induce the reprogramming of adult somatic cells to a pluripotent state. They are ideal for use as a control alongside reprogramming studies or studying epigenetic modifications. For more information visit our website	2×10 <sup>5</sup> cells per vial	130-095-685
<b>Stemgent Mouse Primary iPS Cells-WP5<sup>1)</sup></b>	These cells have been shown to induce the reprogramming of adult somatic cells to a pluripotent state. Injection of Stemgent Mouse Primary iPS Cells-WP5 into blastocysts resulted in the generation of chimeric mice. For more information visit our website	2×10 <sup>5</sup> cells per vial	130-095-686
<b>Stemgent Oct4-GFP MEF (P2)<sup>1)</sup></b>	Oct4-GFP mouse embryonic fibroblasts (MEF) harbor a GFP reporter gene downstream of exon 5 of the endogenous Oct4 locus. GFP expression can be used to monitor pluripotency	1×10 <sup>6</sup> cells per vial	130-096-230
<b>Stemgent Oct4-neo MEF (P2)<sup>1)</sup></b>	Stemgent Oct4-neo MEFs enable selection of induced pluripotent stem (iPS) cell colonies upon successful reprogramming. For more information visit our website	~ 1×10 <sup>6</sup> cells per vial	130-095-688

For footnotes refer to section important notices

## Transfection reagents

Product	Description	Capacity/Content/ Components	Order no.
<b>MACSelect 4 MicroBeads</b>	Enrichment of transfected cells expressing the MACSelect 4 surface marker	25 separations	130-070-101
<b>MACSelect 4 – Transfected Cell Selection Kit</b>	Enrichment of transfected cells by coexpression of a truncated CD4 surface marker	25 separations	130-091-988
<b>MACSelect K<sup>k</sup> MicroBeads</b>	Enrichment of transfected cells expressing the MACSelect H-2K <sup>k</sup> surface marker	25 separations	130-070-201
<b>MACSelect K<sup>k</sup> – Transfected Cell Selection Kit</b>	Enrichment of transfected cells by coexpression of a truncated H-2K <sup>k</sup> surface marker	25 separations	130-091-986
<b>MACSelect LNGFR MicroBeads</b>	Enrichment of transfected cells expressing the MACSelect LNGFR surface marker	25 separations	130-091-330
<b>MACSelect LNGFR – Transfected Cell Selection Kit</b>	Enrichment of transfected cells by coexpression of a truncated MACSelect LNGFR surface marker	25 separations	130-091-879
<b>pMACS 4-IRES.II</b>	Vector for bi-cistronic coexpression of truncated CD4 surface marker for MACSelect Transfected Cell Selection	25 µg plasmid	130-091-888
<b>pMACS 4.1</b>	Vector for cotransfection of truncated CD4 surface marker for MACSelect Transfected Cell Selection	25 µg plasmid	130-091-886
<b>pMACS K<sup>k</sup>.II</b>	Vector for coexpression of truncated H-2K <sup>k</sup> surface marker for MACSelect Transfected Cell Selection	25 µg plasmid	130-091-889
<b>pMACS LNGFR</b>	Vector for cotransfection of truncated LNGFR surface marker for MACSelect Transfected Cell Selection	25 µg plasmid	130-091-890
<b>pMACS LNGFR-IRES</b>	Vector for bi-cistronic coexpression of truncated LNGFR surface marker for MACSelect Transfected Cell Selection	25 µg plasmid	130-091-887
<b>Stemfect 2.0-mESC DNA Transfection Reagent<sup>1)</sup></b>	A polymer-based transfection reagent specifically designed for <i>in vitro</i> DNA transfection of mouse embryonic stem (mES) cells	500 transfections	130-095-535
<b>Stemfect DNA Plasmid Transfection Polymer<sup>1)</sup></b>	A novel polymer specifically designed to transfect stem cells	500 transfections	130-095-533
<b>Stemfect Enhanced hESC DNA Transfection Kit<sup>1)</sup></b>	A polymer-based transfection reagent specifically designed for <i>in vitro</i> DNA transfection of human ES and iPS cells. This kit also contains the ROCK inhibitor, Stemolecule Y27632	1 set	130-095-975
<b>Stemfect hESC DNA Transfection Kit<sup>1)</sup></b>	A polymer-based transfection reagent specifically designed for <i>in vitro</i> DNA transfection of human ES and iPS cells	1 set	130-095-976
<b>Stemfect RNA Transfection Kit<sup>1)</sup></b>	The Stemfect RNA Transfection Kit is a mixture of lipid components specifically designed for <i>in vitro</i> RNA transfection	1 set	130-096-529

For footnotes refer to section important notices



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