



MACS® Products for cytokine research

Cytokines are key mediators of immune responses and are involved in adaptive and humoral immune reactions. Cytokines can promote growth and differentiation of immune cells as well as suppression of immune reactions.

In addition to the unique Cytokine Secretion Assays, which allow highly sensitive detection and optional enrichment of viable cytokine-secreting cells, Miltenyi Biotec offers innovative Intracellular Cytokine Detection Kits as well as fluorochrome-conjugated anti-cytokine antibodies for intracellular staining.

Cytokine Secretion Assays – Cell Enrichment and Detection Kits

Product	Capacity	Order no.
Human cells		
Large scale IFN- γ Cytokine Secretion Assay – Enrichment Kit	10 ⁹ total cells	130-091-329
IFN- γ Cytokine Secretion Assay – Cell Enrichment and Detection Kit	50 tests with 10 ⁷ total cells	130-054-201
IL-2 Cytokine Secretion Assay – Cell Enrichment and Detection Kit	50 tests with 10 ⁷ total cells	130-090-488
IL-4 Cytokine Secretion Assay – Cell Enrichment and Detection Kit	50 tests with 10 ⁷ total cells	130-054-101
IL-5 Cytokine Secretion Assay – Cell Enrichment and Detection Kit	50 tests with 10 ⁷ total cells	130-091-622
IL-10 Cytokine Secretion Assay – Cell Enrichment and Detection Kit	50 tests with 10 ⁷ total cells	130-090-435
IL-12 Cytokine Secretion Assay – Cell Enrichment and Detection Kit	50 tests with 10 ⁷ total cells	130-092-122
TNF- α Cytokine Secretion Assay – Cell Enrichment and Detection Kit	50 tests with 10 ⁷ total cells	130-091-269
Mouse cells		
Mouse IFN- γ Cytokine Secretion Assay – Cell Enrichment and Detection Kit	50 tests with 10 ⁷ total cells	130-090-517
Mouse IL-2 Cytokine Secretion Assay – Cell Enrichment and Detection Kit	50 tests with 10 ⁷ total cells	130-090-492
Mouse IL-4 Cytokine Secretion Assay – Cell Enrichment and Detection Kit	50 tests with 10 ⁷ total cells	130-090-515
Mouse IL-5 Cytokine Secretion Assay – Cell Enrichment and Detection Kit	50 tests with 10 ⁷ total cells	130-091-175
Mouse IL-10 Cytokine Secretion Assay – Cell Enrichment and Detection Kit	50 tests with 10 ⁷ total cells	130-090-490

Cytokine Secretion Assays – Detection Kits

Product	Conjugate	Capacity	Order no.
Human cells			
IFN- γ Cytokine Secretion Assay – Detection Kit	FITC	100 tests with 10^6 cells	130-090-433
	PE	100 tests with 10^6 cells	130-054-202
	APC	100 tests with 10^6 cells	130-090-762
IL-2 Cytokine Secretion Assay – Detection Kit	PE	100 tests with 10^6 cells	130-090-487
	APC	100 tests with 10^6 cells	130-090-763
IL-4 Cytokine Secretion Assay – Detection Kit	PE	100 tests with 10^6 cells	130-054-102
IL-5 Cytokine Secretion Assay – Detection Kit	PE	100 tests with 10^6 cells	130-091-623
	APC	100 tests with 10^6 cells	130-091-624
IL-10 Cytokine Secretion Assay – Detection Kit	PE	100 tests with 10^6 cells	130-090-434
	APC	100 tests with 10^6 cells	130-090-761
IL-12 Cytokine Secretion Assay – Detection Kit	PE	100 tests with 10^6 cells	130-092-124
TNF- α Cytokine Secretion Assay – Detection Kit	PE	100 tests with 10^6 cells	130-091-268
	APC	100 tests with 10^6 cells	130-091-267
Mouse cells			
Mouse IFN- γ Cytokine Secretion Assay – Detection Kit	PE	100 tests with 10^6 cells	130-090-516
	APC	100 tests with 10^6 cells	130-090-984
Mouse IL-2 Cytokine Secretion Assay – Detection Kit	PE	100 tests with 10^6 cells	130-090-491
	APC	100 tests with 10^6 cells	130-090-987
Mouse IL-4 Cytokine Secretion Assay – Detection Kit	PE	100 tests with 10^6 cells	130-090-479
Mouse IL-5 Cytokine Secretion Assay – Detection Kit	PE	100 tests with 10^6 cells	130-091-166
	APC	100 tests with 10^6 cells	130-091-174
Mouse IL-10 Cytokine Secretion Assay – Detection Kit	PE	100 tests with 10^6 cells	130-090-489
	APC	100 tests with 10^6 cells	130-090-939

Antibodies for intracellular cytokine staining

Product	Clone, isotype	Conjugate	Capacity	Order no.
Human cells				
Anti-IFN- α	LT27:295, mouse IgG1	FITC	100 tests	130-092-600
		PE	100 tests	130-092-601
		APC	100 tests	130-092-602
Anti-IFN- α pure		none	100 μ g in 1 mL	130-092-604
Anti-IFN- γ	45-15, mouse IgG1	FITC	100 tests	130-091-641
		PE	100 tests	130-091-653
		APC	100 tests	130-091-640
Anti-IL-2	N7.48A, mouse IgG2a	PE	100 tests	130-091-646
		APC	100 tests	130-091-644
Anti-IL-4	7A3-3, mouse IgG1	PE	100 tests	130-091-647
Anti-IL-5	JES1-39D10, rat IgG2a	PE	100 tests	130-091-648
		APC	100 tests	130-091-834
Anti-IL-10	B-T10, mouse IgG1	PE	100 tests	130-091-643
		APC	100 tests	130-091-642
Anti-IL-12 (p40/p70)	8.6, mouse IgG1	PE	100 tests	130-092-774
		APC	100 tests	130-092-775
Anti-TNF- α	cA2, human IgG1	FITC	100 tests	130-091-650
		PE	100 tests	130-091-651
		APC	100 tests	130-091-649
Non-human primate cells				
Anti-IFN- γ	45-15, mouse IgG1	FITC	100 tests	130-091-641
		PE	100 tests	130-091-653
		APC	100 tests	130-091-640
Anti-IL-2	N7.48A, mouse IgG2a	PE	100 tests	130-091-646
		APC	100 tests	130-091-644
Anti-IL-4	7A3-3, mouse IgG1	PE	100 tests	130-091-647
Anti-IL-5	JES1-39D10, rat IgG2a	PE	100 tests	130-091-648
		APC	100 tests	130-091-834
Anti-IL-10	B-T10, mouse IgG1	PE	100 tests	130-091-643
		APC	100 tests	130-091-642
Anti-IL-12 (p40/p70)	8.6, mouse IgG1	PE	100 tests	130-092-774
		APC	100 tests	130-092-775
Mouse cells				
Anti-IFN- γ	AN18.17.24, rat IgG	PE	100 tests	130-092-346
		APC	100 tests	130-092-347
Anti-IL-2	JES6-5H4, rat IgG2b	PE	100 tests	130-092-302
		APC	100 tests	130-092-303
Anti-TNF- α	MP6-XT22, rat IgG1	FITC	100 tests	130-092-244
		PE	100 tests	130-092-245
		APC	100 tests	130-092-246

Intracellular Cytokine Detection Kits

Product	Capacity	Order no.
Human cells		
CD154/IFN- γ /CD4 Detection Kit	100 tests with 10^6 cells	130-092-814
CD154/IL-2/CD4 Detection Kit	100 tests with 10^6 cells	130-092-818
CD154/IL-4/CD4 Detection Kit	100 tests with 10^6 cells	130-092-817
CD154/IL-5/CD4 Detection Kit	100 tests with 10^6 cells	130-092-812
CD154/TNF- α /CD4 Detection Kit	100 tests with 10^6 cells	130-092-813



Miltenyi Biotec

Miltenyi Biotec GmbH
Friedrich-Ebert-Straße 68
51429 Bergisch Gladbach
Germany
Phone +49 2204 8306-0
Fax +49 2204 85197
macs@miltenyibiotec.de

www.miltenyibiotec.com

Miltenyi Biotec Inc.
12740 Earhart Avenue
Auburn CA 95602, USA
Phone 800 FOR MACS,
+1 530 888 8871
Fax +1 530 888 8925
macs@miltenyibiotec.com

**Miltenyi Biotec Pty. Ltd.
(Australia)**
Phone +61 02 8877 7400
macs@miltenyibiotec.com.au

Miltenyi Biotec B. V. (Benelux)
macs@miltenyibiotec.nl
Customer service, Netherlands
Phone 0800 4020120

Customer service, Belgium
Phone 0800 94016
Customer service, Luxembourg
Phone 800 24971

Miltenyi Biotec Shanghai Office
Phone +86 21 6235 1005
macs@miltenyibiotec.com.cn

Miltenyi Biotec SAS (France)
Phone +33 1 56 98 16 16
macs@miltenyibiotec.fr

Miltenyi Biotec S.r.l. (Italy)
Phone +39 051 646 0411
macs@miltenyibiotec.it

Miltenyi Biotec K.K. (Japan)
Phone +81 3 56 46 8910
macs@miltenyibiotec.jp

**Miltenyi Biotec Asia Pacific
Pte. Ltd. (Singapore)**
Phone +65 6238 8183
macs@miltenyibiotec.com.sg

Miltenyi Biotec S.L. (Spain)
Phone +34 91 512 12 90
macs@miltenyibiotec.es

Miltenyi Biotec Ltd. (UK)
Phone +44 1483 799 800
macs@miltenyibiotec.co.uk

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