



Miltenyi Biotec



Now available

Anti-GLAST (ACSA-1) products

Revolutionary tools for astrocyte isolation and identification

- **GLAST-specific cell surface marker**
- **Isolation of astrocytes in 1 hour**
- **High purity, minimizing contamination by other cell types**
- **Kits available offering complete solutions**

A new monoclonal antibody is now available that is specific for an extracellular epitope of the astrocyte-specific glutamate transporter GLAST (EAAT-1). The Anti-GLAST (ACSA-1) MicroBead Kit allows for the first time the isolation of mature astrocytes, as the antibodies have been developed for the specific and sensitive labeling of GLAST⁺ cells.

► miltenyibiotec.com/GLAST

Advantages of MACS® Technology

- Isolation of viable primary astrocytes in 1 hour
- Mature astrocytes are obtained directly
- Greater purity with minimal contamination by other cells
- Specific protocols: standardized and reproducible results
- Gentle cell separation: high cell viability and cell recovery
- Avoids phenotypic changes caused by prolonged tissue culture

Anti-GLAST (ACSA-1)* MicroBead Kit

The kit has been developed for the straight forward magnetic separation of viable astrocytes from dissociated brain tissue based on the expression of GLAST. Astrocyte Isolation Starter Kits offer the complete solution of a combination of all necessary products for the dissociation and isolation of astrocytes.

Product	Order no.
Anti-GLAST (ACSA-1) MicroBead Kit, mouse, rat	130-095-826
Astrocyte Isolation Starter Kit, mouse <P7	130-096-054
Astrocyte Isolation Starter Kit, rat <P7	130-096-052

*ACSA-1: astrocyte cell surface antigen-1

Anti-GLAST (ACSA-1) antibodies

The monoclonal Anti-GLAST (ACSA-1) antibody shows specific and sensitive labeling of GLAST⁺ cells in flow cytometry, immunohistochemistry, and immunocytochemistry.

Product	Order no.
Anti-GLAST (ACSA-1) pure, mouse, rat	130-095-822
Anti-GLAST (ACSA-1)-Biotin, mouse, rat	130-095-815
Anti-GLAST (ACSA-1)-PE, mouse, rat	130-095-821
Anti-GLAST (ACSA-1)-APC, mouse, rat	130-095-814

GLAST-1 knockout mice

The GLAST knockout mouse can be used as an ideal control in conjunction with the Anti-GLAST (ACSA-1) products.

Product	Order no.
GLAST KO Mouse (CD-1)	160-001-541
GLAST KO Mouse (C57BL/6)	160-001-542
Academic Research Licence	160-001-547
For-Profit Organisation Licence	160-001-546

For more information refer to www.miltenyibiotec.com/GLAST

Products included	Astrocyte Isolation Starter Kit, mouse <P7 # 130-096-054	Astrocyte Isolation Starter Kit, rat <P7 # 130-096-052
Neural Tissue Dissociation Kit (T)* # 130-093-231	✓	✓
MACS MultiStand # 130-042-303	✓	✓
MiniMACS Separation Unit # 130-042-102	✓	✓
25 MS Columns # 130-042-201	✓	✓
Anti-GLAST (ACSA-1) MicroBead Kit, mouse, rat # 130-095-826	✓	✓
FcR Blocking Reagent, mouse # 130-092-575	✓	

*The gentleMACS™ Dissociator (# 130-093-235) can be used in combination with the Neural Tissue Dissociation Kits for automated dissociation of neural tissue.



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