TECHNICAL DATA SHEET

CyFlow™ CD209 Purified
Anti-Hu; Clone UW60.1

REF **AT333933**

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	CD209
Alternative Names	DC-SIGN, DC-SIGN, DC-SIGN1, CLEC4L
Clone	UW60.1
Clonality	monoclonal
Format	Purified
Host / Isotype	Mouse / IgG1
Species Reactivity	Human
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [1 mg/ml]
Immunogen	CD209-His-tagged fusion protein

Specificity

The mouse monoclonal antibody UW60.1 recognizes CD209 antigen, a 44 kDa transmembrane receptor expressed on the surface of dendritic cells and macrophages.

Contact Information:

Sysmex Partec GmbH • Am Flugplatz 13 • 02828 Görlitz • Germany
Tel +49 3581 8746 0 • Fax +49 3581 8746 70 • E-mail: info@sysmex-partec.com

Application

Based on published sources, this antibody is suitable for the following applications:

- Flow cytometry
- Immunohistochemistry
- Immunocytochemistry

Storage Buffer

The reagent is provided in phosphate buffered saline (PBS) solution, pH ≈7.4, containing 0.1% (w/v) sodium azide.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability	Do not use after expiration date stamped on vial label.

Background Information

CD209 (DC-SIGN; dendritic cell-specific ICAM-3-grabbing nonintegrin) is a transmembrane receptor expressed on the surface of dendritic cells and macrophages, which recognizes numerous pathogens ranging from parasites to viruses. Its N-terminal domain is transmembrane, whereas a tandem-repeat neck domain and the C terminal C-type lectin carbohydrate recognition domain have dual function as a pathogen recognition receptor and a cell adhesion receptor. The neck region is responsible for homo-oligomerization which allows the receptor to bind multivalent ligands with high avidity. A ligand of CD209 is also CD50 (ICAM-3).

References

- Geijtenbeek TB, Engering A, Van Kooyk Y: DC-SIGN, a C-type lectin on dendritic cells that unveils many aspects of dendritic cell biology. J Leukoc Biol. 2002 Jun; 71(6):921-31. < PMID: 12050176 >
- van Kooyk Y, Geijtenbeek TB: A novel adhesion pathway that regulates dendritic cell trafficking and T cell interactions. Immunol Rev. 2002 Aug; 186:47-56. < PMID: 12234361 >
- Ryan EJ, Marshall AJ, Magaletti D, Floyd H, Draves KE, Olson NE, Clark EA: Dendritic cell-associated lectin-1: a novel dendritic cell-associated, C-type lectin-like molecule enhances T cell secretion of IL-4. J Immunol. 2002 Nov 15; 169(10):5638-48. < PMID: 12421943 >
- Khoo US, Chan KY, Chan VS, Lin CL: DC-SIGN and L-SIGN: the SIGNs for infection. J Mol Med. 2008 Aug; 86(8):861-74. < PMID: 18458800 >

Contact Information:

Sysmex Partec GmbH • Am Flugplatz 13 • 02828 Görlitz • Germany
Tel +49 3581 8746 0 • Fax +49 3581 8746 70 • E-mail: info@sysmex-partec.com

The Safety Data Sheet for this product is available at www.sysmex-partec.com/services.

Contact Information:

Sysmex Partec GmbH • Am Flugplatz 13 • 02828 Görlitz • Germany
Tel +49 3581 8746 0 • Fax +49 3581 8746 70 • E-mail: info@sysmex-partec.com