

**AM26379PU-N****Monoclonal Antibody to CD209 / DC-SIGN - Aff - Purified**

<b>Alternate names:</b>	C-type lectin domain family 4 member L, CLEC4L, DC-SIGN1, DCSIGN, DCSIGN1, Dendritic Cell Marker, Dendritic cell-specific ICAM-3-grabbing non-integrin 1
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	1.0 mg/ml
<b>Background:</b>	CD209, also known as 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).
<b>Uniprot ID:</b>	<a href="#">Q9NNX6</a>
<b>NCBI:</b>	<a href="#">9606</a>
<b>GeneID:</b>	<a href="#">30835</a>
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	UW60.1
<b>Immunogen:</b>	CD209-His-tagged fusion protein
<b>Format:</b>	<b>State:</b> Liquid Ig fraction <b>Purification:</b> Protein-A affinity chromatography (> 95% by SDS-PAGE) <b>Buffer System:</b> PBS, approx. pH 7.4 <b>Preservatives:</b> 15 mM sodium azide
<b>Applications:</b>	Flow Cytometry. Immunohistochemistry. Immunocytochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	The mouse monoclonal antibody UW60.1 recognizes CD209 (DC-SIGN), a 44 kDa transmembrane receptor expressed on the surface of dendritic cells and macrophages.
<b>Species Reactivity:</b>	<b>Tested:</b> Human
<b>Storage:</b>	Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	1. 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. 2. 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. PubMed

PMID: 12234361.

3. 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. PubMed PMID: 12050176.

4. Ryan EJ, Marshall AJ, Magaletti D, Floyd H, Draves KE, Olson NE, et al. 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. PubMed PMID: 12421943.