

Product datasheet for **AM26379PU-N**

DC SIGN (CD209) Mouse Monoclonal Antibody [Clone ID: UW60.1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	UW60.1
Applications:	FC, IF
Recommended Dilution:	Flow Cytometry. Immunohistochemistry. Immunocytochemistry.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	CD209-His-tagged fusion protein
Specificity:	The mouse monoclonal antibody UW60.1 recognizes CD209 (DC-SIGN), a 44 kDa transmembrane receptor expressed on the surface of dendritic cells and macrophages.
Formulation:	PBS, approx. pH 7.4 State: Aff - Purified State: Liquid Ig fraction Preservative: 15 mM sodium azide
Concentration:	lot specific
Purification:	Protein-A affinity chromatography (> 95% by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD209 molecule
Database Link:	Entrez Gene 30835 Human Q9NNX6



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Background:

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).

Synonyms:

DCSIGN1, DCSIGN, DC-SIGN1, CLEC4L, Dendritic Cell Marker