

Product datasheet for **AM26379AC-N**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	UW60.1
Applications:	FC
Recommended Dilution:	Flow cytometry analysis of human blood cells using 10 µl reagent / 100 µl of whole blood or 10 ⁶ cells in a suspension.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	CD209-His-tagged fusion protein
Specificity:	This antibody recognizes human CD209 (DC-SIGN), a 44 kDa transmembrane receptor expressed on the surface of dendritic cells and macrophages.
Formulation:	Phosphate buffered saline (PBS) Label: APC State: Liquid Ig fraction Stabilizer: 0.2% (w/v) high-grade protease free Bovine Serum Albumin (BSA) Preservative: 15 mM sodium azide Label: Conjugated with cross-linked Allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use.
Conjugation:	APC
Storage:	Store the antibody at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD209 molecule
Database Link:	Entrez Gene 30835 Human Q9NNX6



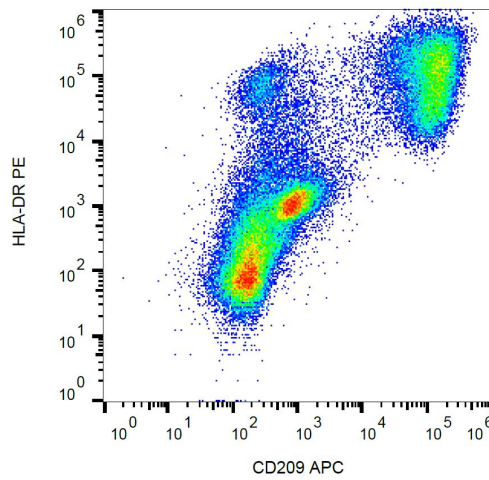
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Background:

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

Product images:


Surface staining of human monocytes-derived dendritic cells with anti-human CD209 (UW60.1) APC.