



Datasheet for ABIN1027677

anti-DC-SIGN/CD209 antibody (PE)



[Go to Product page](#)

1 Image

1 Publication

Overview

Quantity:	100 tests
Target:	DC-SIGN/CD209 (CD209)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This DC-SIGN/CD209 antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	CD209-His-tagged fusion protein
Clone:	UW60-1
Isotype:	IgG2a
Specificity:	The mouse monoclonal antibody UW60.1 recognizes an extracellular epitope of human CD209 (DC-SIGN), a 44 kDa transmembrane receptor, expressed on the surface of dendritic cells and macrophages.
Cross-Reactivity (Details):	Human
Purification:	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

Target:	DC-SIGN/CD209 (CD209)
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Target Details

Alternative Name:	CD209 (CD209 Products)
Background:	CD209 Molecule,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),CLEC4L, DC-SIGN1, CDSIGN
Gene ID:	30835
UniProt:	Q9NNX6

Application Details

Application Notes:	Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µL reagent / 100 µL of whole blood or 10 ⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.
Comment:	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Restrictions:	For Research Use only

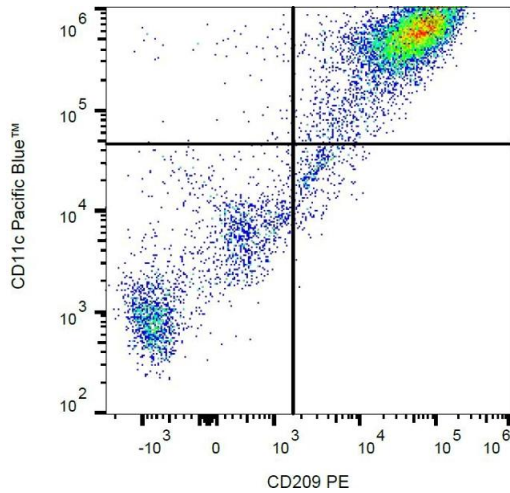
Handling

Reconstitution:	No reconstitution is necessary.
Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Do not freeze. Avoid prolonged exposure to light.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Publications

Product cited in: Ryan, Marshall, Magaletti, Floyd, Draves, Olson, Clark: "Dendritic cell-associated lectin-1: a novel dendritic cell-associated, C-type lectin-like molecule enhances T cell secretion of IL-4." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 169, Issue 10, pp. 5638-48, (2002) ([PubMed](#)).

Images



Flow Cytometry

Image 1. Flow cytometry analysis (surface staining) of human monocytes-derived dendritic cells with anti-human CD209 (UW60.1) PE.