

## Monoclonal Antibody to CD209 / DC-SIGN - PE

<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>Catalog No.:</b>	SM2219RT
<b>Quantity:</b>	25 Tests
<b>Concentration:</b>	0.1 mg/ml
<b>Background:</b>	CD209 is primarily expressed on a population of immature dendritic cells in peripheral tissues and on immature myeloid monocyte-derived DC's in vitro. CD209 is involved in dendritic cell (DC) migration and the initial interaction between DC's and naive T lymphocytes. CD209 also binds HIV-1 gp120 and plays a key role in the dissemination of HIV-1 by DC's.
<b>Uniprot ID:</b>	<a href="#">Q9NNX6</a>
<b>NCBI:</b>	<a href="#">9606</a>
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	MR-1
<b>Immunogen:</b>	Immature myeloid monocyte-derived dendritic cells (MDDCs). Spleen cells from immunised Balb/c mice were fused with cells of the Mouse SP2/0-Ag14 myeloma cell line.
<b>Format:</b>	<b>State:</b> Lyophilized purified IgG fraction. <b>Purification:</b> Affinity Chromatography on Protein G. <b>Buffer System:</b> PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. <b>Label:</b> PE – R. Phycoerythrin (RPE) <b>Reconstitution:</b> Restore with 1 ml distilled water
<b>Applications:</b>	Flow Cytometry (Neat-1/10): Use 10 µl of the suggested working dilution to label 10e6 cells in 100 µl. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognises human DC-specific ICAM-3 grabbing nonintegrin (DC-SIGN), a 45kD C-type lectin that binds ICAM-3 which is also known as CD209. Clone MR-1 is reported to partially block the functional activity of DC-SIGN. We recommend the use of SM2219LE for this purpose. <b>Species:</b> Human. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C. <b>DO NOT FREEZE!</b> This product is photosensitive and should be protected from light. Shelf life: one year from despatch.

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Antibody Hotline - Technical Questions - Antibody Location Service  
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- General References:**
1. Relloso, M. et al. (2002) DC-SIGN (CD209) expression is IL-4 dependent and is negatively regulated by IFN, TGF-beta, and anti-inflammatory agents. *J. Immunol.* 168: 2634-2643.
  2. Melero, I. et al. (2002) An anti-ICAM-2 (CD102) monoclonal antibody induces immune-mediated regressions of transplanted ICAM-2-negative colon carcinomas. *Cancer Res.* 62: 3167-3174.

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