

CD209 (DC-SIGN) Monoclonal Antibody (eB-h209), FITC, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eB-h209
Conjugate	FITC
Excitation/Emission Max	498/517 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_11150047

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.5 µg)/test	9 Publications

Product Specific Information

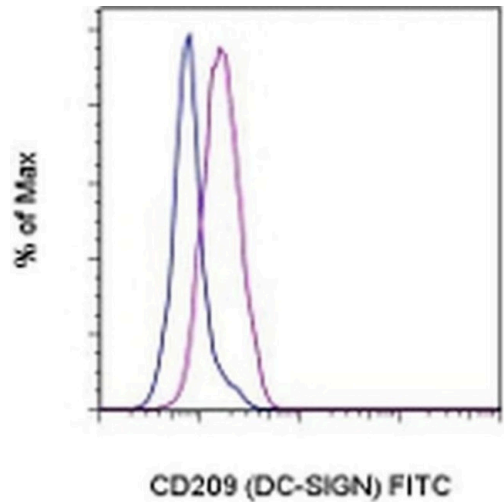
Description: The eB-h209 monoclonal antibody reacts with human CD209, also known as DC-SIGN, a 44 kDa type II transmembrane protein. DC-SIGN contains a C-type lectin binding domain and binds ICAM-3, ICAM-2, and HIV virus. Human dendritic cells preferentially express DC-SIGN. It has been postulated that DC-SIGN serves as a receptor for capture, trafficking, and transmission of HIV to T cells and supports primary immune response. eB-h209 was developed against a C-terminal peptide of human DC-SIGN.

Applications Reported: The eB-h209 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This eB-h209 antibody has been pre-titrated and tested by flow cytometric analysis of cultured human dendritic cells and peripheral blood cells. This can be used at 5 µL (0.5 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

Excitation: 488 nm; **Emission:** 520 nm; **Laser:** Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.



CD209 (DC-SIGN) Antibody (11-2099-42) in Flow
Staining of human monocyte-derived immature dendritic cells (culture with GM-CSF and IL-4) with Rat IgG2a K Isotype Control FITC (Product # 11-4321-42) (blue histogram) or Anti-Human CD209 (DC-SIGN) FITC (purple histogram). Total cells were used for analysis.

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9 References

Flow Cytometry (9)

<p>Journal of inflammation research</p> <p>Different Induction of PD-L1 (CD274) and PD-1 (CD279) Expression in THP-1-Differentiated Types 1 and 2 Macrophages.</p> <p>"Published figure using CD209 (DC-SIGN) monoclonal antibody (Product # 11-2099-42) in Flow Cytometry"</p> <p>Authors: Lai CY,Tseng PC,Chen CL,Satria RD,Wang YT,Lin CF</p>	<p>Year</p> <p>2022</p>
<p>PLoS pathogens</p> <p>Porphyromonas gingivalis evasion of autophagy and intracellular killing by human myeloid dendritic cells involves DC-SIGN-TLR2 crosstalk.</p> <p>"Published figure using CD209 (DC-SIGN) monoclonal antibody (Product # 11-2099-42) in Flow Cytometry"</p> <p>Authors: El-Awady AR,Miles B,Scisci E,Kurago ZB,Palani CD,Arce RM,Waller JL,Genco CA,Slocum C,Manning M, Schoenlein PV,Cutler CW</p>	<p>Year</p> <p>2015</p>

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