

# CD209 (DC-SIGN) Monoclonal Antibody (eB-h209), APC, 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), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eB-h209
Conjugate	APC
Excitation/Emission Max	651/660 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_11039758

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.125 µg)/test	4 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.

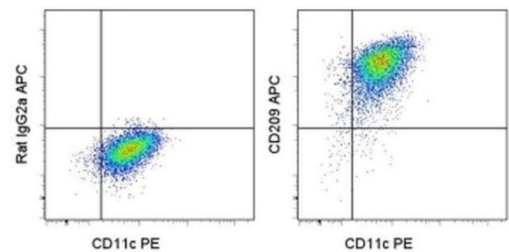
**Applications Reported:** The eB-h209 antibody has been reported for use in flow cytometric analysis.

**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 (0.125 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 10<sup>5</sup> to 10<sup>8</sup> cells/test.

**Excitation:** 633-647 nm; **Emission:** 660 nm; **Laser:** Red Laser.

**Filtration:** 0.2 µm post-manufacturing filtered.

Product Images For CD209 (DC-SIGN) Monoclonal Antibody (eB-h209), APC, eBioscience™



**CD209 (DC-SIGN) Antibody (17-2099-42) in Flow**  
Staining of human monocyte-derived immature dendritic cells with Anti-Human CD11c PE (Product # 12-0116-42) and Rat IgG2a K Isotype Control APC (Product # 17-4321-81) (left) or Anti-Human CD209 (DC-SIGN) APC (right). Total viable cells were used for analysis.

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4 References

Flow Cytometry (4)

<p>Journal of inflammation research</p> <p><b>Different Induction of PD-L1 (CD274) and PD-1 (CD279) Expression in THP-1-Differentiated Types 1 and 2 Macrophages.</b></p> <p>"Published figure using CD209 (DC-SIGN) monoclonal antibody (Product # 17-2099-42) in Flow Cytometry"</p> <p>Authors: Lai CY,Tseng PC,Chen CL,Satria RD,Wang YT,Lin CF</p>	<p>Year 2022</p>
<p>Immunology and cell biology</p> <p><b>STAT3 signaling contributes to the high effector activities of interleukin-15-derived dendritic cells.</b></p> <p>"17-2099 was used in Flow cytometry/Cell sorting to investigate the differential cytokine-mediated signalling in DCs, showing that STAT3 signalling contributes to the high effector activities of interleukin-15-derived DCs."</p> <p>Authors: Okada S,Han S,Patel ES,Yang LJ,Chang LJ</p>	<p>Year 2016</p> <p>Species Human</p>

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