

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

Product Details	
Size	100 µg
Species Reactivity	Human
Published Species	Human
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eB-h209
Conjugate	Biotin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_466648

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	1 µg/test	3 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:** The eB-h209 antibody has been tested by flow cytometric analysis of cultured human dendritic cells and peripheral blood cells. This can be used at less than or equal to 1 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. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

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

Flow Cytometry (3)

<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 # 13-2099-82) 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><b>Porphyromonas gingivalis evasion of autophagy and intracellular killing by human myeloid dendritic cells involves DC-SIGN-TLR2 crosstalk.</b></p> <p>"Published figure using CD209 (DC-SIGN) monoclonal antibody (Product # 13-2099-82) 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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