

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

Product Details

Size	100 µg
Species Reactivity	Human
Published Species	Human
Host/Isotype	Rat / IgG2a, kappa
Class	Monoclonal
Type	Antibody
Clone	eB-h209
Conjugate	Unconjugated
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
RRID	AB_467548

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	1 Publication
Flow Cytometry (Flow)	1 µg/test	7 Publications
Immunoprecipitation (IP)	Assay-Dependent	-

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.

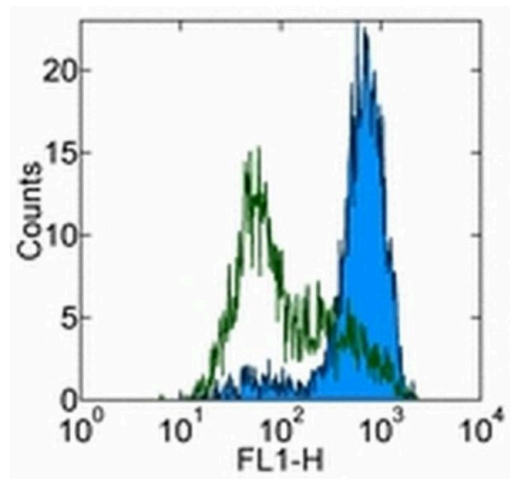
Applications Reported: The eB-h209 antibody has been reported for use in flow cytometric analysis, and immunoprecipitation.

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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Purity: Greater than 90%, as determined by SDS-PAGE.

Aggregation: Less than 10%, as determined by HPLC.

Filtration: 0.2 µm post-manufacturing filtered.



CD209 (DC-SIGN) Antibody (14-2099-82) in Flow
Staining of human monocyte-derived immature dendritic cells with 0.5 µg of Rat IgG2a K Isotype Control Purified (Product # 14-4321-82) (open histogram) or 0.5 µg of Anti-Human CD209 (DC-SIGN) Purified (filled histogram) followed by Anti-Rat IgG FITC (Product # 11-4811-85). Cells in the large scatter population were used for analysis.

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8 References

Immunohistochemistry (1)

<p>The American journal of pathology</p> <p>Phenotypic modulation of the stromal reticular network in normal and neoplastic lymph nodes: tissue transglutaminase reveals coordinate regulation of multiple cell types.</p> <p>"14-2099 was used in Immunohistochemistry to identify differential modulation of the phenotype of the lymph node reticular network that parallels change in the B-cell compartment."</p> <p>Authors: Thomazy VA,Vega F,Medeiros LJ,Davies PJ,Jones D</p>	<p>Year 2003</p> <p>Species Human</p> <p>Dilution 1:50</p>
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Flow Cytometry (7)

<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 # 14-2099-82) in Flow Cytometry"</p> <p>Authors: Lai CY,Tseng PC,Chen CL,Satria RD,Wang YT,Lin CF</p>	<p>Year 2022</p>
<p>Journal of immunology (Baltimore, Md. : 1950)</p> <p>Activation of Human V2⁺ T Cells by <i>Staphylococcus aureus</i> Promotes Enhanced Anti-Staphylococcal Adaptive Immunity.</p> <p>"14-2099-82 was used in Flow Cytometry to study the capacity of human V2+ T cells for rapid activation in response to <i>S. aureus</i>."</p> <p>Authors: Cooper AJR,Lalor SJ,McLoughlin RM</p>	<p>Year 2020</p> <p>Species Human</p>

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