

## Product Information

Contents: Biotin anti-human CD209 (DC-SIGN)

Catalog Number: 13-2099

Sizes: 25 ug, 100 ug

Formulation: Phosphate buffer pH 7.2,  
150 mM NaCl, 0.09% NaN<sub>3</sub>

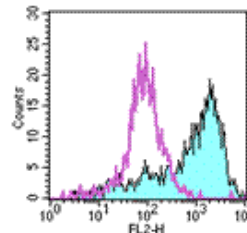
Storage Conditions: Store at 4°C.

DO NOT FREEZE.

Clone: eB-h209

Isotype: Rat IgG2a, κ

HLDA No.: N/A



*Staining of human dendritic cells with 0.125 µg of biotin rat IgG2a isotype control (cat.13-4321) (open histogram) or biotin eB-h209 (colored histogram) followed by SAV-PE (cat.12-4312). Cells in the large scatter population were used for analysis.*

## Available Formats of This Product

Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
11-2099	FITC anti-human CD209 (DC-SIGN)	488	518	FC
12-2099	PE anti-human CD209 (DC-SIGN)	488	575	FC
13-2099	Biotin anti-human CD209 (DC-SIGN)	N/A	N/A	FC
14-2099	Affinity Purified anti-human CD209 (DC-SIGN)	N/A	N/A	FC IP
17-2099	APC anti-human CD209 (DC-SIGN)	633	660	FC

## 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.

## Usage

For research use only, not for diagnostic or therapeutic use. 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 leukocytes. This can be used at less than or equal to 1 µg per 100 µl blood (or per 1 million cells in 100 µl total staining volume). It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

## Related Products

- Cat. 11-2099 FITC anti-human CD209 (DC-SIGN) (clone eB-h209)
- Cat. 12-2099 PE anti-human CD209 (DC-SIGN) (clone eB-h209)
- Cat. 14-2099 Affinity Purified anti-human CD209 (DC-SIGN) (clone eB-h209)
- Cat. 17-2099 APC anti-human CD209 (DC-SIGN) (clone eB-h209)
- Cat. 11-4317 Streptavidin-FITC (Fluorescein isothiocyanate)
- Cat. 12-4317 Streptavidin-PE (Phycoerythrin)
- Cat. 17-4317 Streptavidin Allophycocyanin (SA-APC)
- Cat. 13-4321 Biotin Rat IgG2a Isotype Control

## References

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eBioscience (2001). Unpublished results.

Geijtenbeek, T.B, D.S. Douglas, et al. (2000) "DC-SIGN, a Dendritic Cell-Specific HIV-1-Binding protein that Enhances trans-Infection of T cells." Cell 100(5): 587-597.

Geijtenbeek, T.B, R Torensma, et al. (2000). "Identification of DC-SIGN, a Novel Dendritic Cell-Specific ICAM-3 Receptor that Supports Primary Immune Responses." Cell 100(5): 575-585.

Geijtenbeek, T.B, D.J. Krooshop, et al. (2000). "DC-SIGN-ICAM-2 Interaction Mediates Dendritic Cell Trafficking." Nat. Immunol. 1 (4):353-357

Pohlmann, S, F Baribaud, et al. (2001). "DC-SIGN Interactions with Human Immunodeficiency Virus type 1 and 2 and Simian Immunodeficiency Virus." J Virol. 75(10):4664-4672

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