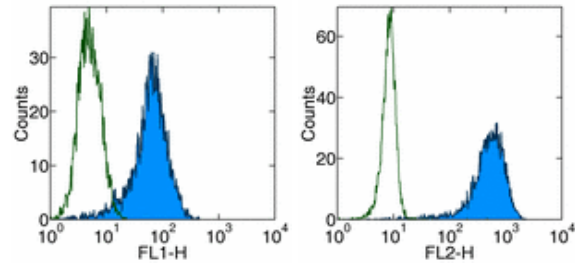


Product Information

Contents: Affinity Purified anti-human CD209 (DC-SIGN)
Catalog Number: 14-2099
Sizes: 25 ug, 100 ug
Formulation: Phosphate buffer pH 7.2,
150 mM NaCl, 0.09% NaN₃
Storage Conditions: Store at 4°C.
Avoid repeated freeze/thaw cycles.
Clone: eB-h209
Isotype: Rat IgG2a, κ
HLDA No.: N/A



Surface staining of human monocyte-derived immature dendritic cells with anti-human CD209 (eB-h209) FITC (left), and PE (right). Appropriate isotype controls were used (open histogram). Total viable cells 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, and immunoprecipitation.

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. 13-2099 Biotin 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. 14-4321 Affinity Purified Rat IgG2a Isotype Control
Cat. 11-4811 FITC Anti-Rat IgG

References

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