

Product Information

Contents: Allophycocyanin (APC) anti-human CD209 (DC-SIGN)

Catalog Number: 17-2099

Sizes: 25 tests

Formulation: Phosphate buffer pH 7.2, 150 mM NaCl, 0.09% NaN₃, 0.2% BSA

Storage Conditions: Store at 4°C.

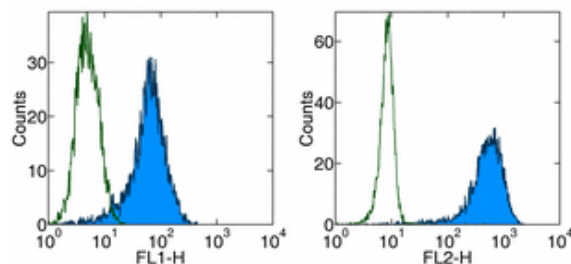
DO NOT FREEZE.

LIGHT-SENSITIVE MATERIAL.

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.

Applications Tested

The eB-h209 antibody has been pre-titrated and tested by flow cytometric analysis of cultured human dendritic cells and peripheral blood leukocytes. This can be used at 20 µl per 100 µl blood (or per 1 million cells in 100 µl total staining volume).

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. 14-2099 Affinity Purified anti-human CD209 (DC-SIGN) (clone eB-h209)
- Cat. 17-4321 APC Rat IgG2a Isotype Control
- Cat. 12-9999 PE anti-human CXCR4 (Fusin) (clone 12G5)
- Cat. 13-9999 Biotin anti-human CXCR4 (Fusin) (clone 12G5)
- Cat. 14-9999 Affinity Purified anti-human CXCR4 (Fusin) (clone 12G5)
- Cat. 15-9999 PE-Cy5 anti-human CXCR4 (Fusin) (clone 12G5)
- Cat. 16-9999 Functional Grade Purified anti-human CXCR4 (Fusin) (clone 12G5)

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