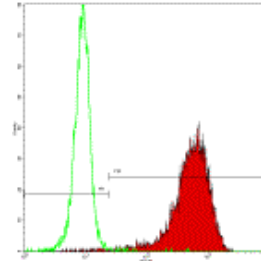


Product Information

Contents: Phycoerythrin (PE) anti-human CD209 (DC-SIGN)
Catalog Number: 12-2099
Sizes: 25 tests, 100 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



Human monocyte-derived immature dendritic cells (culture with GM-CSF and IL-4) were stained with PE-eB-h209 (shaded histogram). Rat IgG2a isotype control is demonstrated by the open histogram. Cells were run on a FACSCalibur and large cells were gated.

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. 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. 17-2099 APC anti-human CD209 (DC-SIGN) (clone eB-h209)
Cat. 12-4321 PE Rat IgG2a Isotype Control

References

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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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