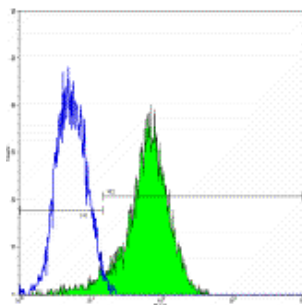


Anti-Human CD209 (DC-SIGN) FITC

Catalog Number: 11-2099

Also Known As: CLEC4L, CIRE

RUO: For Research Use Only. Not for use in diagnostic procedures.



Human monocyte-derived immature dendritic cells (culture with GM-CSF and IL-4) were stained with Rat IgG2a K Isotype Control FITC (open histogram) or Anti-Human CD209 (DC-SIGN) FITC (filled histogram).

Product Information

Contents: Anti-Human CD209 (DC-SIGN) FITC

REF Catalog Number: 11-2099

Clone: eB-h209

Concentration: 5 μ L (0.5 μ g)/test

Host/Isotype: Rat IgG2a, kappa

HLDA Workshop: N/A

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer



Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains Azide

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.

Applications Tested

This 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 5 μ L (0.5 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

References

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

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.

Related Products

11-4321 Rat IgG2a K Isotype Control FITC (eBR2a)

12-0016 Anti-Human CD1d PE (51.1)

17-9999 Anti-Human CD184 (CXCR4) APC (12G5)

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