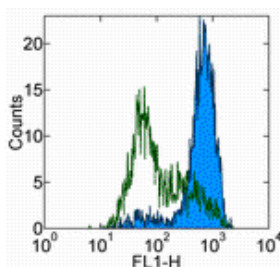


Anti-Human CD209 (DC-SIGN) Purified

Catalog Number: 14-2099

Also Known As: CLEC4L, CIRE

RUO: For Research Use Only



Staining of human monocyte-derived immature dendritic cells with 0.5 ug of Rat IgG2a K Isotype Control Purified (cat. 14-4321) (open histogram) or 0.5 ug of Anti-Human CD209 (DC-SIGN) Purified (filled histogram) followed by Anti-Rat IgG FITC (cat. 11-4811). Cells in the large scatter population were used for analysis.

Product Information

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

REF **Catalog Number:** 14-2099

Clone: eB-h209

Concentration: 0.5 mg/mL

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.



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, 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 test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

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

12-4317 Streptavidin PE

13-4813 Anti-Rat IgG Biotin (Polyclonal)

14-4321 Rat IgG2a K Isotype Control Purified

17-4317 Streptavidin APC

Not for further distribution without written consent.

Copyright © 2000-2010 eBioscience, Inc.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.eBioscience.com • info@eBioscience.com