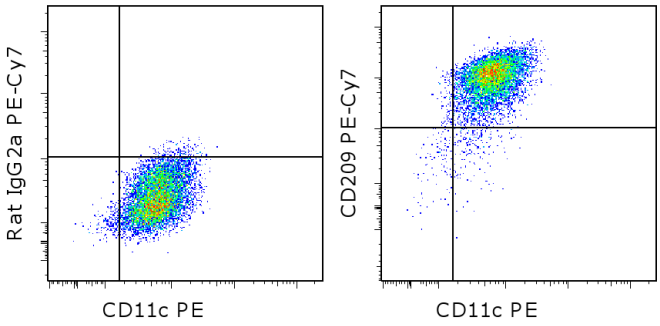
Anti-Human CD209 (DC-SIGN) PE-Cyanine7

Catalog Number: 25-2099
Also known as: CLEC4L, CIRE
RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of human monocyte-derived immature dendtiric cells with Anti-Human CD11c PE (cat. 12-0116) and Rat IgG2a K Isotype Control PE-Cyanine7 (cat. 25-4321) (left) or Anti-Human CD209 (DC-SIGN) PE-Cyanine7 (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Human CD209 (DC-SIGN) PE-Cyanine7
REF **Catalog Number:** 25-2099
Clone: eB-h209
Concentration: 5 uL (0.06 ug)/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. This tandem dye is sensitive to photo-induced oxidation. Protect this vial from light during storage, handling & experimental procedures.
LOT **Batch Code:** Refer to vial
Use By: Refer to vial
Contains sodium 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

This 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 human monocyte derived dendritic cells. This can be used at 5 µL (0.06 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 10^5 to 10^8 cells/test.

Light sensitivity: This tandem dye is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 uL cell sample + 100 uL IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

References

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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
12-0116 Anti-Human CD11c PE (3.9)
17-9999 Anti-Human CD184 (CXCR4) APC (12G5)
25-4321 Rat IgG2a K Isotype Control PE-Cyanine7 (eBR2a)

Legal

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