

## Anti-Human CD209 (DC-SIGN) PerCP-Cyanine5.5

**Catalog Number:** 45-2099

**Also Known As:** CLEC4L, CIRE

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

### Product Information

**Contents:** Anti-Human CD209 (DC-SIGN) PerCP-Cyanine5.5

 **Catalog Number:** 45-2099


**Clone:** eB-h209

**Concentration:** 5 µL (0.5 µg)/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

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 dendritic cell cultures. This can be used at 5 µL (0.5 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<sup>5</sup> to 10<sup>8</sup> 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

45-4321 Rat IgG2a K Isotype Control PerCP-Cyanine5.5 (eBR2a)

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