

CD209 (DC-SIGN) Monoclonal Antibody (eB-h209), APC, eBioscience™

| Product Details | |
|-----------------------------|--|
| Size | 100 Tests |
| Species Reactivity | Human |
| Published Species | Human |
| Host/Isotype | Rat / IgG2a, kappa |
| Recommended Isotype Control | Rat IgG2a kappa Isotype Control (eBR2a), APC, eBioscience™ |
| Class | Monoclonal |
| Type | Antibody |
| Clone | eB-h209 |
| Conjugate | APC |
| Form | Liquid |
| Concentration | 5 µL/Test |
| Purification | Affinity chromatography |
| Storage buffer | PBS, pH 7.2, with 0.1% gelatin, 0.2% BSA |
| Contains | 0.09% sodium azide |
| Storage conditions | 4° C, store in dark, DO NOT FREEZE! |
| RRID | AB_11039758 |

| Applications | Tested Dilution | Publications |
|-----------------------|----------------------|----------------|
| Flow Cytometry (Flow) | 5 µL (0.125 µg)/test | 3 Publications |

Product Specific Information

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.

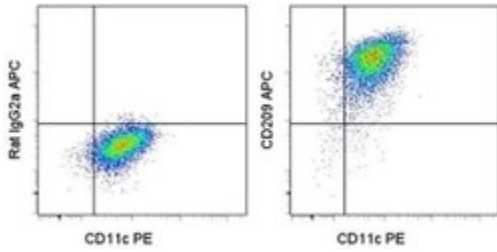
Applications Reported: The eB-h209 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This eB-h209 antibody has been pre-titrated and tested by flow cytometric analysis of cultured human dendritic cells and peripheral blood cells. This can be used at 5 µL (0.125 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.

Excitation: 633-647 nm; **Emission:** 660 nm; **Laser:** Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD209 (DC-SIGN) Monoclonal Antibody (eB-h209), APC, eBioscience™



CD209 (DC-SIGN) Antibody (17-2099-42) in Flow

Staining of human monocyte-derived immature dendritic cells with Anti-Human CD11c PE (Product # 12-0116-42) and Rat IgG2a K Isotype Control APC (Product # 17-4321-81) (left) or Anti-Human CD209 (DC-SIGN) APC (right). Total viable cells were used for analysis.

3 References

Flow Cytometry (3)

PLoS pathogens

Porphyromonas gingivalis evasion of autophagy and intracellular killing by human myeloid dendritic cells involves DC-SIGN-TLR2 crosstalk.

"Published figure using CD209 (DC-SIGN) monoclonal antibody (Product # 17-2099-42) in Flow Cytometry"

Authors: El-Awady AR, Miles B, Scisci E, Kurago ZB, Palani CD, Arce RM, Waller JL, Genco CA, Slocum C, Manning M, Schoenlein PV, Cutler CW

Species

Not Applicable

Dilution

Not Cited

Year

2015

Immunology and cell biology

STAT3 signaling contributes to the high effector activities of interleukin-15-derived dendritic cells.

"17-2099 was used in Flow cytometry/Cell sorting to investigate the differential cytokine-mediated signalling in DCs, showing that STAT3 signalling contributes to the high effector activities of interleukin-15-derived DCs."

Authors: Okada S, Han S, Patel ES, Yang LJ, Chang LJ

Species

Human

Dilution

Not Cited

Year

2016

[View more Flow references on thermofisher.com](#)

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