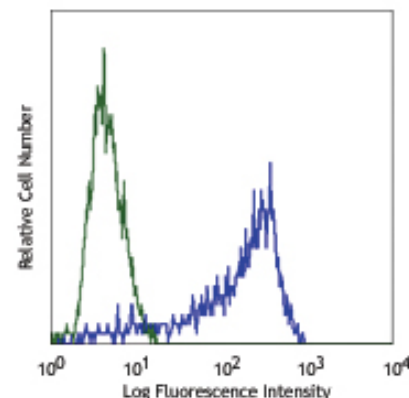# BioLegend
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Product Data Sheet

Purified anti-human CD209 (DC-SIGN)

Catalog # / Size: 343002 / 100 µg

Clone: DCS-8C1

Isotype: Mouse IgG2b, κ

Immunogen: Extracellular domain of human DC-SIGN

Reactivity: Human, **Cross-Reactivity***: Macaque

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C.

Applications:

Applications: FC - *Quality tested*

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤2.0 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Human monocyte-derived dendritic cells stained with DCS-8C1 PE

Description: CD209, known as Dendritic Cell-Specific Intercellular adhesion molecule 3 (ICAM-3)-Grabbing Nonintegrin (DC-SIGN), is a 44 kD type II transmembrane glycoprotein and a member of the C-type lectin family. CD209 is expressed on myeloid dendritic cells, placental macrophages, liver and placental endothelial cells. CD209 binds to ICAM-3 (CD50), ICAM-2 (CD102), and Butyrophilin (BTN2A1), and mediates dendritic cell migration and T cell proliferation. Importantly, CD209 is a receptor of HIV-1 and some other viruses (such as West Nile virus, hepatitis C virus, etc), and some bacteria or parasites. It plays a criti-cal role in capturing and internalizing those pathogens. LSP1 (leukocyte-specific protein 1) interacts with the cytoplasmic domain of CD209 and mediates transport of HIV to the proteasome.

Antigen References: 1. Granelli-Piperno A, *et al.* 2005. *J Immunol. 175:4265.*

Related Products:

Product	Clone	Application
Purified Mouse IgG2b, κ Isotype Ctrl	MG2b-57	FC, ICC, ICFC, IF, IHC, IP, WB
Cell Staining Buffer		FC, ICC, ICFC
RBC Lysis Buffer (10X)		FC, ICFC