

PE anti-human CD209 (DC-SIGN) Antibody

Catalog# / Size	343004 / 100 tests
Clone	DCS-8C1
Regulatory Status	RUO
Other Names	Dendritic Cell-Specific Intercellular adhesion molecule 3 (ICAM-3)-Grabbing Nonintegrin
Isotype	Mouse IgG1, κ
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 critical 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.

Product Details

Verified Reactivity	Human
Reported Reactivity	Pigtailed Macaque
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	Extracellular domain of human DC-SIGN
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
Preparation	The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration, please enter the lot number in our Concentration and Expiration Lookup or Certificate of Analysis online tools.)
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is 5 µl per million cells in 100 µl staining volume or 5 µl per 100 µl of whole blood.
Excitation Laser	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
Product Citations	1. Friebel E, <i>et al.</i> 2020. Cell. 181(7):1626-1642.e20. PubMed 2. Sureshchandra S, <i>et al.</i> 2021. iScience. 24:102690. PubMed
RRID	AB_2074328 (BioLegend Cat. No. 343004)

Antigen Details

Distribution	Dendritic cells
Cell Type	Dendritic cells

Biology Area	Immunology, Innate Immunity
Molecular Family	CD Molecules
Antigen References	1. Granelli-Piperno A, <i>et al.</i> 2005. <i>J Immunol.</i> 175:4265.
Gene ID	30835

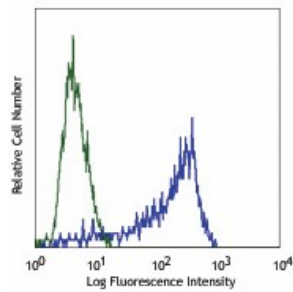
Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-human CD209 (DC-SIGN), PE anti-human CD209 (DC-SIGN), APC anti-human CD209 (DC-SIGN)

Product Data



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

For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.

*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, www.biolegend.com/ordering#license). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.

BioLegend Inc., 8999 BioLegend Way, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587