

## Purified anti-human CD209 (DC-SIGN) Antibody

<b>Catalog# / Size</b>	343002 / 100 µg
<b>Clone</b>	DCS-8C1
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	Dendritic Cell-Specific Intercellular adhesion molecule 3 (ICAM-3)-Grabbing Nonintegrin
<b>Isotype</b>	Mouse IgG1, κ
<b>Description</b>	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

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<b>Verified Reactivity</b>	Human
<b>Reported Reactivity</b>	Pigtailed Macaque
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Mouse
<b>Immunogen</b>	Extracellular domain of human DC-SIGN
<b>Formulation</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
<b>Preparation</b>	The antibody was purified by affinity chromatography.
<b>Concentration</b>	0.5 mg/mL
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C.
<b>Application</b>	<a href="#">FC - Quality tested</a>
<b>Recommended Usage</b>	Each lot of this antibody is quality control tested by <a href="#">immunofluorescent staining with flow cytometric analysis</a> . For flow cytometric 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.
<b>RRID</b>	AB_2074330 (BioLegend Cat. No. 343002)

### Antigen Details

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<b>Distribution</b>	Dendritic cells
<b>Cell Type</b>	Dendritic cells
<b>Biology Area</b>	Immunology, Innate Immunity
<b>Molecular Family</b>	CD Molecules
<b>Antigen References</b>	1. Granelli-Piperno A, <i>et al.</i> 2005. <i>J Immunol.</i> 175:4265.
<b>Gene ID</b>	<a href="#">30835</a>

## Related Protocols

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[Cell Surface Flow Cytometry Staining Protocol](#)

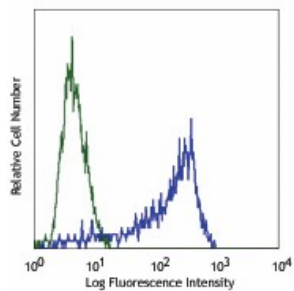
## Other Formats

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

## Product Data

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

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