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Goat Anti-DC-SIGN / CD209 Antibody (internal region)

Purified Goat Polyclonal Antibody
Catalog # AF4236a

Specification

Goat Anti-DC-SIGN / CD209 Antibody (internal region) - Product Information

Application	**WB, E**
Primary Accession	Q9NNX6
Other Accession	NP_066978.1, NP_001138368.1, NP_001138369.1, NP_001138365.1, NP_001138366.1, NP_001138367.1, NP_001138371.1
Reactivity	**Human**
Predicted	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5**
Calculated MW	**45775**

Goat Anti-DC-SIGN / CD209 Antibody (internal region) - Additional Information

Gene ID 30835

Other Names
CD209; CD209 molecule; CDSIGN; CLEC4L; DC-SIGN; DC-SIGN1; C-type lectin domain family 4 member L; C-type lectin domain family 4, member L; CD209 antigen; HIV gpl20-binding protein; dendritic cell-specific ICAM-3-grabbing non-integrin 1; dendritic cell-spe

Dilution
WB~~1:1000
E~~N/A

Format
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Immunogen
Peptide with sequence C-NRGEPNNVGEED, from the internal region of the protein sequence according to NP_066978.1; NP_001138368.1; NP_001138369.1; NP_001138365.1; NP_001138366.1; NP_001138367.1; NP_001138371.1.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-DC-SIGN / CD209 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

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Goat Anti-DC-SIGN / CD209 Antibody (internal region) - Protein Information

Name CD209

Synonyms CLEC4L

Function
Pathogen-recognition receptor expressed on the surface of immature dendritic cells (DCs) and involved in initiation of primary immune response. Thought to mediate the endocytosis of pathogens which are subsequently degraded in lysosomal compartments. The receptor returns to the cell membrane surface and the pathogen-derived antigens are presented to resting T-cells via MHC class II proteins to initiate the adaptive immune response.

Cellular Location
[Isoform 1]: Cell membrane; Single- pass type II membrane protein [Isoform 3]: Cell membrane; Single- pass type II membrane protein [Isoform 5]: Cell membrane; Single- pass type II membrane protein [Isoform 7]: Secreted. [Isoform 9]: Secreted. [Isoform 11]: Secreted.

Tissue Location
Predominantly expressed in dendritic cells and in DC-residing tissues. Also found in placental macrophages, endothelial cells of placental vascular channels, peripheral blood mononuclear cells, and THP-1 monocytes.

Goat Anti-DC-SIGN / CD209 Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat Anti-DC-SIGN / CD209 Antibody (internal region) - Images

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AF4236a (0.3 µg/ml) staining of Human Bone Marrow lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-DC-SIGN / CD209 Antibody (internal region) - References

Role of DC-SIGN in Lassa virus entry into human dendritic cells. Goncalves AR, Moraz ML, Pasquato A, Helenius A, Lozach PY, Kunz S. Journal of virology 2013 Nov 87 (21): 11504-15.