10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CD209 / DC-SIGN Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS11410

Specification

CD209 / DC-SIGN Antibody (Internal) - Product Information

Application	**IHC**
Primary Accession	Q9NNX6
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**46kDa KDa**

CD209 / DC-SIGN Antibody (Internal) - Additional Information

Gene ID 30835

Other Names
CD209 antigen, C-type lectin domain family 4 member L, Dendritic cell-specific ICAM-3-grabbing non-integrin 1, DC-SIGN, DC-SIGN1, CD209, CD209, CLEC4L

Target/Specificity
synthetic peptide corresponding to amino acids near the center of human DC-DIGN

Reconstitution & Storage
Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

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

CD209 / DC-SIGN Antibody (Internal) - 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.

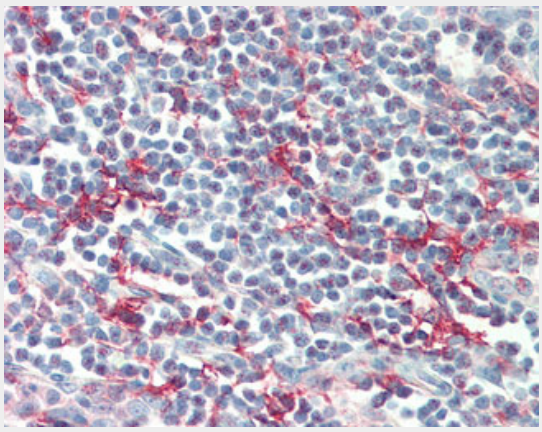
Tissue Location
Predominantly expressed in dendritic cells and in DC-residing tissues. Also found in placental macrophages, endothelial cells of placental vascular channels, peripheral blood mononuclear cells, and THP-1 monocytes.

CD209 / DC-SIGN Antibody (Internal) - 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

CD209 / DC-SIGN Antibody (Internal) - Images



Anti-CD209 / DC-SIGN antibody IHC of human tonsil.

CD209 / DC-SIGN Antibody (Internal) - Background

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. Probably recognizes in a calcium-dependent manner high mannose N-linked oligosaccharides in a variety of pathogen antigens, including HIV-1 gp120, HIV-2 gp120, SIV gp120, ebolavirus glycoproteins, cytomegalovirus gB, HCV E2, dengue virus gE, Leishmania pifanoi LPG, Lewis-x antigen in Helicobacter pylori LPS, mannose in Klebsiella pneumonae LPS, di-mannose and tri- mannose in Mycobacterium tuberculosis ManLAM and Lewis-x antigen in Schistosoma mansoni SEA.

CD209 / DC-SIGN Antibody (Internal) - References

Curtis B.M.,et al.Proc. Natl. Acad. Sci. U.S.A. 89:8356-8360(1992).
Soilleux E.J.,et al.J. Immunol. 165:2937-2942(2000).
Bashirova A.A.,et al.J. Exp. Med. 193:671-678(2001).

Mummidi S.,et al.J. Biol. Chem. 276:33196-33212(2001).
Ota T.,et al.Nat. Genet. 36:40-45(2004).