

Mouse CD209/DC-SIGN Monoclonal Antibody | anti-CD209 antibody

CD209/DC-SIGN (Pathogen Receptor on Dendritic Cells)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214380	Mouse	Human. Others not known.	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

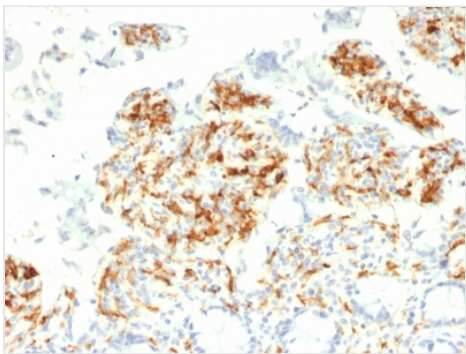
PRODUCT SYNONYMS

CD209/DC-SIGN; Monoclonal Antibody; CD209/DC-SIGN (Pathogen Receptor on Dendritic Cells); CD209; CDSIGN; CIRE; CLEC4L; DC-SIGN; DC-SIGN1; DCSIGN; Dendritic cell-specific ICAM-3 Grabbing Non-integrin 1; HIV GP120 Binding Protein; SIGN-R1; SIGNR5; anti-CD209 antibody

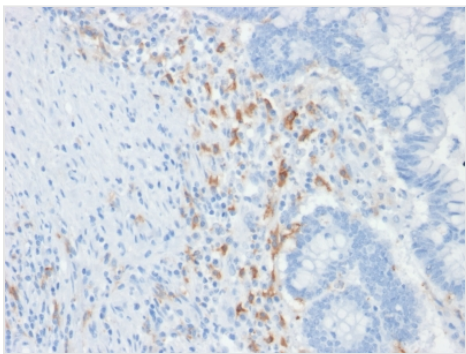
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG2b, kappa
Clone Number	C209/1781
Specificity	DC-SIGN is a transmembrane receptor that is expressed on the surface of dendritic cells and macrophages. It is involved in the innate immune system and recognizes numerous evolutionarily divergent pathogens ranging from parasites to viruses. The protein is organized into three distinct domains: an N-terminal transmembrane domain, a tandem-repeat neck domain and C-type lectin carbohydrate recognition domain. The extracellular region consisting of the C-type lectin and neck domains has a dual function as a pathogen recognition receptor and a cell adhesion receptor by binding carbohydrate ligands on the surface of microbes and endogenous cells. The neck region is important for homo-oligomerization, which allows the receptor to bind multivalent ligands with high avidity.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	268
Applicable Applications for anti-CD209 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant human CD209 protein fragment
Cellular Localization	Secreted and Cell Surface
Hu-chromosome Location	19p13
Positive Control	THP-1 or HeLa Cells. Small Intestine, Uterus or Lymph Node.
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

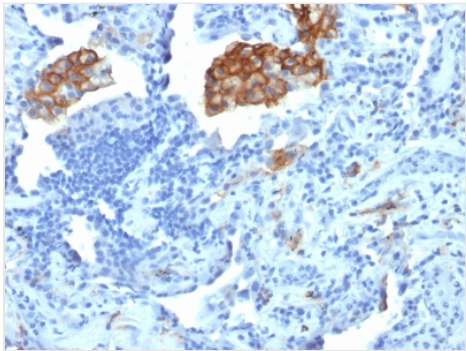
IMAGES



IHC (Immunohistochemisry)
Formalin-fixed, paraffin-embedded human Small Intestine stained with CD209 Monoclonal Antibody (C209/1781).



IHC (Immunohiostchemistry)
Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with CD209 Monoclonal Antibody (C209/1781).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Lung Carcinoma stained with CD209 Monoclonal Antibody (C209/1781).

ADDITIONAL INFORMATION

References	Steinman, R.M. 2000. DC-SIGN: A guide to some mysteries of Dendritic cells. Cell 100: 491-494.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	223029380
NCBI GeneID	30835
NCBI Accession #	NP_001138365.1
NCBI GenBank Nucleotide #	NM_001144893.1
UniProt Accession #	Q9NNX6; Q2TB19; Q96QP7; Q96QP8; Q96QP9; Q96QQ0; Q96QQ1; Q96QQ2; Q96QQ3; A8KAM4; A8MVQ9; G5E9C4
Molecular Weight	45kDa
NCBI Official Full Name	CD209 antigen isoform 5
NCBI Official Synonym Full Names	CD209 molecule
NCBI Official Symbol	CD209
NCBI Official Synonym Symbols	CDSIGN; CLEC4L; DC-SIGN; DC-SIGN1
NCBI Protein Information	CD209 antigen
UniProt Protein Name	CD209 antigen
UniProt Gene Name	CD209

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd209-dc-sign-antibody-clone-c209-1781-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/214380>