

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

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

CATALOG # AAA215012	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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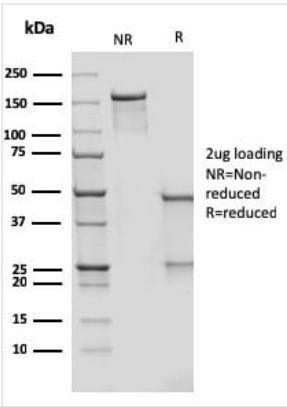
PRODUCT SYNONYMS

CD209/DC-SIGN; 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

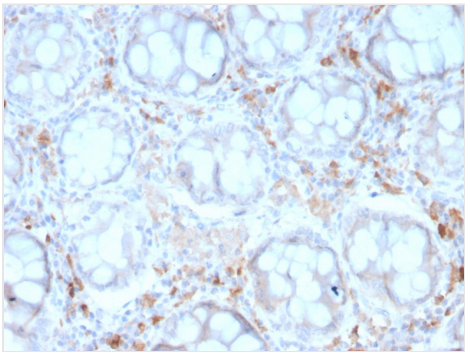
Host	Mouse
Reactivity	Human
Isotype	IgG1, kappa
Clone Number	rC209/1781
Specificity	DC-SIGN is a transmembrane receptor that is expressed on the surface of dendritic cells and macrophages. It is involved in the innate immune system and recognizes numerous evolutionarily divergent pathogens ranging from 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.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
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	404
Applicable Applications for anti-CD209 antibody	IHC (Immunohistochemistry)
Positive Control	THP-1 or HeLa cells (IF/FACS). Human liver or spleen lysate (WB). Human small intestine (IHC).
Immunogen	Recombinant human CD209 protein fragment (exact sequence is proprietary)
Cellular Localization	Cell Surface and secreted
Hu-chromosome Location	19p13
Antibody Type	Recombinant Mouse Monoclonal Antibody
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

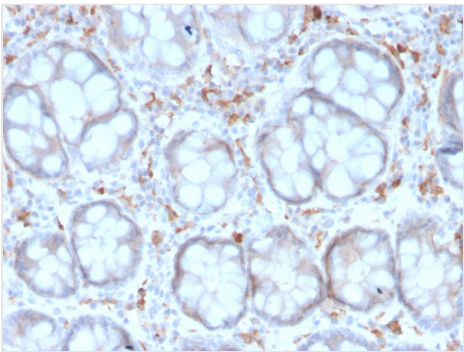


SDS-PAGE

SDS-PAGE Analysis Purified CD209 Mouse Monoclonal Antibody (rC209/1781). Confirmation of Purity and Integrity of Antibody.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with CD209 Mouse Monoclonal Antibody (rC209/1781).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with CD209 Mouse Monoclonal Antibody (rC209/1781).

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 #	13383468
NCBI GeneID	30835
UniProt Accession #	Q9NNX6
Molecular Weight	45kDa
NCBI Official Full Name	DC-SIGN
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
UniProt Synonym Gene Names	CLEC4L; DC-SIGN; DC-SIGN1

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/mouse-human-antibody/cd209-dc-sign/215012>