

Mouse anti-Human Dc-Sign/CD 209 Monoclonal Antibody | anti-CD209 antibody

Monoclonal Antibody to Dc-Sign/CD 209 (Clone: ABM47B7)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78266	Mouse	Human	Western Blot, Flow Cytometry, Functional Assay

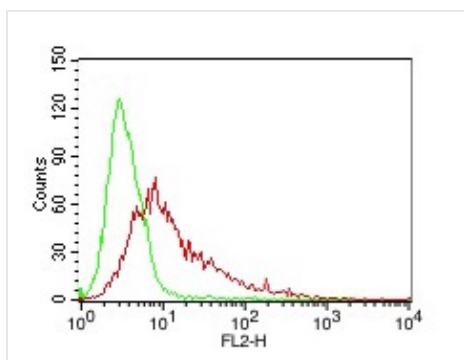
PRODUCT SYNONYMS

Dc-Sign/CD 209; Monoclonal Antibody; Monoclonal Antibody to Dc-Sign/CD 209 (Clone: ABM47B7); CD209; CLEC4L; C-type lectin domain family 4 member L; DC-SIGN; Dendritic cell-specific ICAM-3-grabbing non-integrin 1; Antibody to Dc-Sign; Anti-Dc-Sign Antibody; Dc-Sign Antibody; anti-CD209 antibody

PRODUCT SPECIFICATIONS

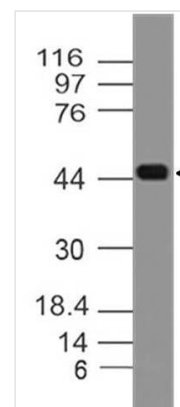
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b Kappa
Clone Number	ABM47B7
Purity/Purification	Purified Protein G Chromatography
Form/Format	25 ug in 50 ul/100 ug in 200 ul PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Sequence Length	404
Applicable Applications for anti-CD209 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry)
Immunogen Information	A recombinant protein fragment of DC-Sign protein was used as the immunogen for this antibody.
Antigen	Dc-Sign
Preparation and Storage	Store the antibody at 4 degree C, stable for 6 months. For long-term storage, store at -20 degree C. Avoid repeated freeze and thaw cycles.

IMAGES



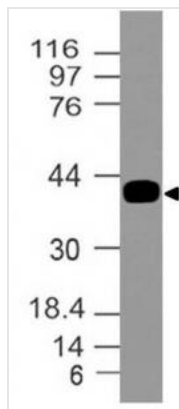
FCM/FACS (Flow Cytometry)

Fig-3: Cell Surface FLOW analysis of Dc-Sign antibody in 293HEK-Dc-sign stable cell line using 0.5 ug/ 10⁶ cells. Green represents isotype control, red represents anti- Dc-Sign antibody. Goat anti-mouse PE conjugates was used as secondary antibody.



Application Data

Fig-2: Expression analysis of Dc-Sign. Anti-Dc-Sign antibody (Clone: ABM47B7) was tested at 0.1 ug/ml on human Liver lysate.



Application Data
 Fig-1: Expression analysis of Dc-Sign. Anti-Dc-Sign antibody (Clone: ABM47B7) was tested at 0.1 ug/ml on partial length recombinant protein.

ADDITIONAL INFORMATION

Related Product Information for anti-CD209 antibody	Dendritic cell-specific intercellular adhesion molecule-3-grabbing non-integrin (DC-SIGN) is a tetrameric C-type (calcium-dependent) lectin that binds, through its C-terminal carbohydrate recognition domain, high mannose N-linked glycans present on the surface of several viral glycoproteins such as human immunodeficiency virus (HIV) gp120 and hepatitis C virus (HCV) E2. It facilitates DC-specific delivery of Ag. This is accomplished by conjugating Ag to receptor-specific Ab or carbohydrate ligands that bind to its carbohydrate recognition domain. In humans, DC-SIGN expression is restricted to DCs and certain types of macrophages. DC-SIGN is involved in the innate immune system and recognizes numerous evolutionarily divergent pathogens, including viruses, bacteria, fungi, and parasites. After binding, these pathogens are internalized and pathogen-derived antigens are presented via MHC class I and II molecules to CD8+ and CD4+ T cells, respectively. DC-SIGN represents a promising CLR for targeted vaccine delivery.
Product Categories/Family for anti-CD209 antibody	Antibodies; Immunology
References	Wai K. Lai, Phoebe J. Sun, Jie Zhang, Adam Jennings, Patricia F. Lalor, Stefan Hubscher, Jane A. McKeating, and David H. Adams. Expression of DC-SIGN and DC-SIGNR on Human Sinusoidal Endothelium Am J Pathol. 2006 Jul; 169(1): 200-208.doi: 10.2353/ajpath.2006.051191

NCBI AND UNIPROT INFORMATION

NCBI GI #	46396012
NCBI GeneID	30835
UniProt Accession #	Q9NNX6; Q2TB19; Q96QP7; Q96QP8; Q96QP9; Q96QQ0; Q96QQ1; Q96QQ2; Q96QQ3; A8KAM4; A8MVQ9; G5E9C4
Molecular Weight	33,874 Da
NCBI Official Full Name	CD209 antigen
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/monoclonal/dc-sign-cd-209-antibody-clone-abm47b7-western-blot-flow-cytometry-elisa/78266>