

Rabbit anti-Mouse SIGNR1 Monoclonal Antibody | anti-CD209B antibody

Recombinant Anti-SIGNR1 Antibody, Rabbit Monoclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA257165	Rabbit	Mouse	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay

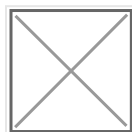
PRODUCT SYNONYMS

SIGNR1; Monoclonal Antibody; Recombinant Anti-SIGNR1 Antibody; Rabbit Monoclonal; SIGNR1/CD209b Antibody; Rabbit MAb; CD209b antigen; Anti-1810030I22Rik Antibody; Anti-DC-SIGNR1 Antibody; Anti-mSIGNR1 Antibody; Anti-OtB7 Antibody; Anti-SIGNR1 Antibody; anti-CD209B antibody

PRODUCT SPECIFICATIONS

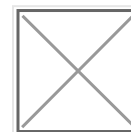
Host	Rabbit
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	143
Specificity	Mouse SIGNR1/CD209b
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CD209B antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Mouse SIGNR1/CD209b protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Mouse SIGNR1/CD209b (rM SIGNR1/CD209b).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of Mouse CD209b expression on BABL/c splenocytes. Cells were stained with purified anti-Mouse CD209b, then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.



IF (Immunofluorescence)

Immunofluorescence staining of mouse CD209B in mouse splenocytes. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with rabbit anti-mouse CD209B monoclonal antibody (1:60) at 37 degree C 1 hour. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-rabbit IgG secondary antibody (green).

ADDITIONAL INFORMATION

Related Product Information for anti-CD209B antibody	The cluster of differentiation (CD) system is commonly used as cell markers in Immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. CD209b, also known as SIGNR1, is a C-type lectin receptor. CD209b is present on most regions of mouse brain and found on microglia and dendritic cells but not on neurons or astrocytes. CD209b is implicated in the recently described SIGNR1 complement activation pathway, which operates against capsular polysaccharides in splenic marginal macrophages. CD209b in rat is homologue to SIGNR1 in mouse, both of which are found to mediate the uptake of dextran or CPS14 within the splenic marginal zone.
References	Zola H, et al. (2007) CD molecules 2006-human cell differentiation molecules. J Immunol Methods. 318 (1-2): 1-5. Ho IC, et al. (2009) GATA3 and the T-cell lineage: essential functions before and after T-helper-2-cell differentiation. Nat Rev Immunol. 9 (2): 125-35. Matesanz-Isabel J, et al. (2011) New B-cell CD molecules. Immunology Letters. 134 (2): 104-12. Park JY, et al. (2009) The C-type lectin CD209b is expressed on microglia and it mediates the uptake of capsular polysaccharides of Streptococcus pneumonia. Neuroscience Letters. 450 (3): 246-51.

NCBI AND UNIPROT INFORMATION

NCBI GI #	83699398
NCBI GeneID	69165
NCBI Accession #	NP_081248.2
NCBI GenBank Nucleotide #	NM_026972.3
UniProt Accession #	Q8CJ91; Q8BGZ0; Q8BHK7; Q8CJ86; Q8CJ87; Q8CJ88; Q8CJ89; Q8CJ90; Q8CJ92; Q8CJ93; Q8CJ94; Q91ZW4
Molecular Weight	16,471 Da
NCBI Official Full Name	CD209 antigen-like protein B isoform a
NCBI Official Synonym Full Names	CD209b antigen
NCBI Official Symbol	Cd209b
NCBI Official Synonym Symbols	OtB7; SIGNR1; mSIGNR1; DC-SIGNR1; 1810030I22Rik
NCBI Protein Information	CD209 antigen-like protein B
UniProt Protein Name	CD209 antigen-like protein B
UniProt Gene Name	Cd209b
UniProt Synonym Gene Names	DC-SIGNR1
UniProt Entry Name	C209B_MOUSE

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/signr1-antibody-clone-143-immunofluorescence-immunocytochemistry-flow-cytometry-elisa/257165>