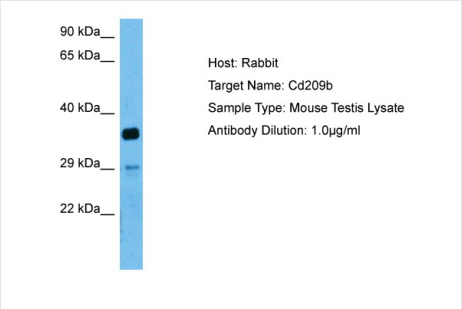
CD209B Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CD209B, Polyclonal Antibody
Full Product Name	CD209B Antibody - middle region
Product Gene Name	anti-CD209B antibody
Product Synonym Gene Name	OtB7; SIGNR1; mSIGNR1; DC-SIGNR1; 1810030I22Rik
Immunogen Sequence	Synthetic peptide located within the following region: DLKKEATWLW VDGSTLSSRF QKYWNRGEPN NIGEEDCVEF AGDGWNDSKC
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Affinity purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	CD209B peptide (MBS3248375) is used for blocking the activity of CD209B antibody (MBS3223790)
Molecular Weight	37 kDa
3D Structure	ModBase 3D Structure for Q8CJ91
Immunogen	The immunogen is a synthetic peptide directed towards the middle terminal region of mouse CD209B
Product Categories/Family for anti-CD209B antibody	Polyclonal; Immunology
Applications Tested/Suitable for anti-CD209B antibody	Western Blot (WB)
Related Product Information for anti-CD209B antibody	Probable pathogen-recognition receptor. May mediate the endocytosis of pathogens which are subsequently degraded in lysosomal compartments. May recognize in a calcium-dependent manner high mannose N-linked oligosaccharides in a variety of pathogen antigens. Is a receptor for ICAM3, probably by binding to mannose-like carbohydrates.
Other Notes	Small volumes of anti-CD209B antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CD209B purchase	MBS3223790 is an antibody targeting CD209B. Also known as CD209B Antibody - middle region. Reactive in Mouse. Host: Rabbit.



Western Blot (WB) of anti-CD209B antibody
Host: RabbitTarget Name: CD209BSample Tissue: Mouse Testis lysatesAntibody Dilution: 1ug/ml

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD209B. It may not necessarily be applicable to this product.

NCBI GI #	564112202
NCBI GeneID	69165
NCBI Accession #	NP_001032889.3
UniProt Primary Accession #	Q8CJ91
UniProt Related Accession #	Q8CJ91
GenBank Nucleotide #	NM_001037800.3
NCBI Official Full Name	CD209 antigen-like protein B isoform b
NCBI Official Synonym Full Names	CD209b antigen
NCBI Official Symbol	Cd209b
NCBI Official Synonym Symbols	OtB7; SIGNR1; mSIGNR1; DC-SIGNR1; 1810030I22Rik
UniProt Protein Name	CD209 antigen-like protein B
UniProt Synonym Protein Names	DC-SIGN-related protein 1; DC-SIGNR1; OtB7; CD_antigen: CD209
Protein Family	CD209 antigen-like protein
UniProt Gene Name	Cd209b
UniProt Synonym Gene Names	DC-SIGNR1
UniProt Entry Name	C209B_MOUSE
NCBI Protein Information	CD209 antigen-like protein B
UniProt Comments for CD209B	CD209B: Probable pathogen-recognition receptor. May mediate the endocytosis of pathogens which are subsequently degraded in lysosomal compartments. May recognize in a calcium-dependent manner high mannose N-linked oligosaccharides in a variety of pathogen antigens. Is a receptor for ICAM3, probably by binding to mannose-like carbohydrates. 4 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral Cellular Component: membrane; integral to membrane; external side of plasma membrane Molecular Function: mannose binding; metal ion binding; zymosan binding; carbohydrate binding; polysaccharide binding Biological Process: positive regulation of tumor necrosis factor biosynthetic process; detection of bacterium; positive regulation of phagocytosis; endocytosis; phagocytosis, recognition; detection of yeast

Research Articles on CD209B	**1.** Data suggest that SIGNR1(CD209b) expressed in Lewis lung cancer cell-educated macrophages appears to mediate IL-4-induced RAW264.7 macrophage polarization and thus facilitate lung cancer evasion.
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