Datasheet for ABIN7320261

CD209b Antigen (CD209B) protein (His tag)

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Overview

Quantity:	100 µg
Target:	CD209b Antigen (CD209B)
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

Product Details

Purpose:	Recombinant Mouse CD209B/DC-SIGNR1 Protein (His Tag)
Sequence:	Gln 74-Gly 325
Characteristics:	A DNA sequence encoding the extracellular domain of mouse CD209B isoform 1 (NP_081248.2) (Gln 74-Gly 325) was fused with a polyhistidine tag at the N-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.

Target Details

Target:	CD209b Antigen (CD209B)
Alternative Name:	CD209B/DC-SIGNR1 (CD209B Products)
Background:	Background: The cluster of differentiation (CD) system is commonly used as cell markers in immunophynotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules which associating with the immune function of the cell. There are

Target Details

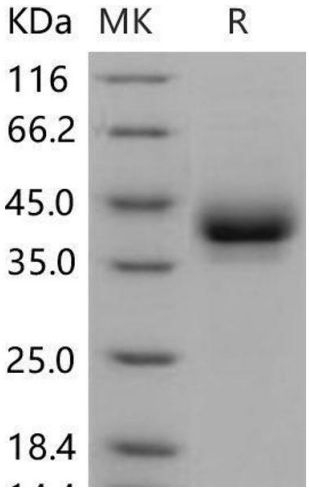
	more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions 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. Synonym: 1810030I22Rik,DC-SIGNR1,mSIGNR1,OtB7,SIGNR1
Molecular Weight:	31.4 kDa
NCBI Accession:	NP_081248

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting
Image 1.

