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37-1179: Mouse CD209B / DC-SIGNR1 Recombinant Protein (His Tag)(Discontinued)

Reactivity : Mouse

Alternative Name : 1810030I22Rik Protein, Mouse; DC-SIGNR1 Protein, Mouse; mSIGNR1 Protein, Mouse; OtB7 Protein, Mouse; SIGNR1 Protein, Mouse

Description

Source : HEK293 Cells

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 more than 32 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. CD29b, also known as SIGNR1, is a C-type lectin receptor. CD29b is present on most regions of mouse brain and found on microglia and dendritic cells but not on neurons or astrocytes. CD29b is implicated in the recently described SIGNR1 complement activation pathway, which operates against capsular polysaccharides in splenic marginal macrophages. CD29b 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.

Product Info

Amount :	SIGNR1 Recombinant Protein (His Tag)(Discontinued) / 100 µg
Purification :	> 95 % as determined by SDS-PAGE
Content :	Formulation Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Storage condition :	Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Amino Acid :	Gln74-Gly325

Application Note

Endotoxin :< 1.0 EU per Ã□Âµg of the protein as determined by the LAL method

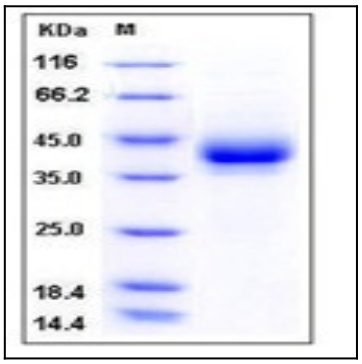

Fig 1: Mouse CD209B / DC-SIGNR1 Recombinant Protein (His Tag)