Recombinant Human DC-SIGN/CD209 Protein

RPCB1439

Product Information

Product SKU:	RPCB1439	**Gene ID**:	30835	**Size**:	10µg
Tag:	C-His	**Reactivity**:	Human		

Additional Information

Expression Host:	HEK293 cells	**Swissprot:**	Q9NNX6-1
Purity:	> 95% by SDS-PAGE.		

Protein Information

Background: Dendritic cell (DC)-specific intercellular adhesion molecule 3 (ICAM-3) grabbing nonintegrin (DC-SIGN), also known as CD209, is a type II transmembrane protein on DCs with a C-type lectin extracellular domain, is capable of binding ICAM-3 on resting T cells in the secondary lymphoid organs, providing the initial contact between these cells during the establishment of cell-mediated immunity. It is not only a pattern recognition receptor but implicated in immunoregulation of DCs. It has an important role in mediating DC adhesion, migration, inflammation, activating primary T cell, triggering immune response and participating in immune escape of pathogens and tumors. DC-SIGN also mediates the capture and internalization of viral, bacterial, and fungal pathogens by dendritic cells, such as HIV-1, Ebola virus, cytomegalovirus, Dengue virus, and hepatitis C virus. DC-SIGN is unique in that it regulates adhesion processes, such as DC trafficking and T-cell synapse formation, as well as antigen capture. Moreover, even though several C-type lectins have been shown to bind HIV-1, DC-SIGN does not only capture HIV-1 but also protects it in early endosomes allowing HIV-1 transport by DC to lymphoid tissues, where it enhances trans infection of T cells.

Protein Description: High quality, high purity and low endotoxin recombinant Recombinant Human DC-SIGN/CD209 Protein , tested reactivity in HEK293 cells and has been validated in SDS-PAGE.100% guaranteed.

Contact Details | Dublin, Ireland
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Endotoxin: <0.1EU/μg

Formulation: Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Storage: Store at -20°C.Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

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