

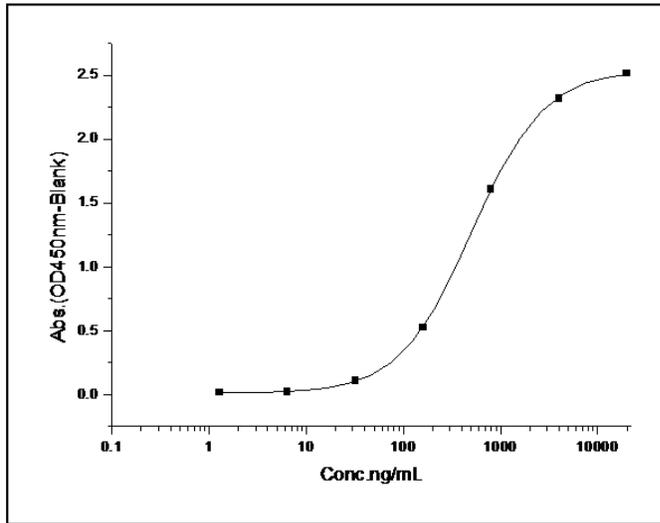
CD226

Recombinant Human CD226 / DNAM-1 (His Tag)

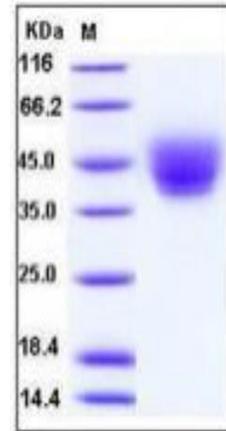
Catalog No.	CRH512A-His CRH512B-His	Quantity:	50 µg 100 µg
Alternate Names:	CD226 antigen, DNAX accessory molecule 1, DNAM-1, CD226		
Description:	The cluster of differentiation (CD) system is commonly used as cell markers in immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules 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. CD226, also known as DNAM-1, is a member of the immunoglobulin superfamily containing 2 Ig-like domains of the V-set. High rate of CD226 (Cluster of Differentiation 226) is found on the surface of natural killer cells, platelets, monocytes and a subset of T cells. CD226 have binding sites with CD112 and CD155 and mediate cellular adhesion to other cells containing its ligands.		
UniProt ID:	Q15762		
Accession Number:	NP_006557.2		
Protein Construction:	A DNA sequence encoding the human DNAM1 extracellular domain (Met 1-Asn 247) was fused with a polyhistidine tag at the C-terminus.		
Source:	HEK293 Cells		
Formulation:	Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.		
Molecular Weight:	The recombinant human DNAM1 comprises 240 amino acids and has a predicted molecular mass of 27.6 kDa. As a result of glycosylation, rh DNAM1 migrates with an apparent molecular mass of 40-50 kDa in SDS-PAGE under reducing conditions.		
Purity:	> 97 % as determined by SDS-PAGE.		
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method		
Biological Activity:	Measured by its binding ability in a functional ELISA . Immobilized human CD226 at 2 µg/ml (100 µl/well) can bind human CD112 with a linear ranger of 6.4-800 ng/ml.		
Predicted N-terminal:	Glu 19		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution.		
Storage & Stability:	Stable for up to 1 year from date of receipt at -20°C to -80°C After reconstitution, store working aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		



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SDS-PAGE



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

