

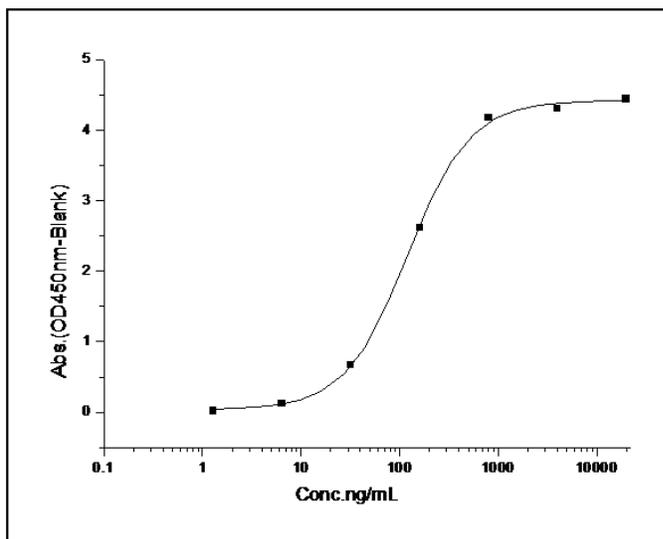
PVR

Recombinant Human CD155 / PVR (Fc Tag)

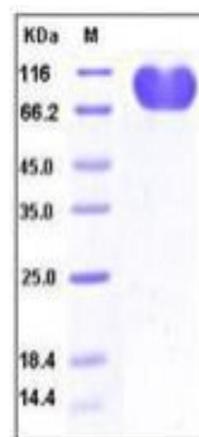
Catalog No.	CRH391A-Fc CRH391B-Fc	Quantity:	50 µg 100 µg
Alternate Names:	Poliovirus receptor, Nectin-like protein 5, NECL-5		
Description:	CD155, commonly known as PVR (poliovirus receptor) and Necl-5 (nectin-like molecule -5), is a type I transmembrane single-span glycoprotein, and belongs to the nectins and nectin-like (Necl) subfamily. CD155 was originally identified based on its ability to mediate the cell attachment and entry of poliovirus (PV), an etiologic agent of the central nervous system disease poliomyelitis. The normal cellular function is in the establishment of intercellular adherens junctions between epithelial cells. CD155 may assist in an efficient humoral immune response generated within the intestinal immune system. It has been demonstrated that CD155 can be recognized and bond by DNAM-1 and CD96 which promote the adhesion, migration and NK-cell killing, and thus efficiently prime cell-mediated tumor-specific immunity.		
UniProt ID:	P15151		
Accession Number:	NP_006496.3		
Protein Construction:	A DNA sequence encoding the extracellular domain (Met 1-Asn 343) of human CD155 (NP_006496.3) was expressed with the C-terminal fused Fc region of human IgG1.		
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 CD155/Fc is a disulfide-linked homodimer. The reduced monomer consists of 561 amino acids and predicts a molecular mass of 61.8 kDa. As a result of glycosylation, the rhCD155/Fc monomer migrates as approximately 95-105 kDa band in SDS-PAGE under reducing conditions.		
Purity:	> 95 % 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 DNAM1 at 2 µg/ml (100 µl/well) can bind human CD155-Fc with a linear ranger of 0.032-0.8 µg/ml.		
Predicted N-terminal:	Trp 21		
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



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