

Pvr

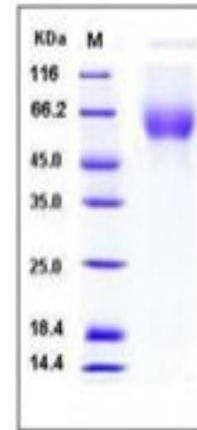
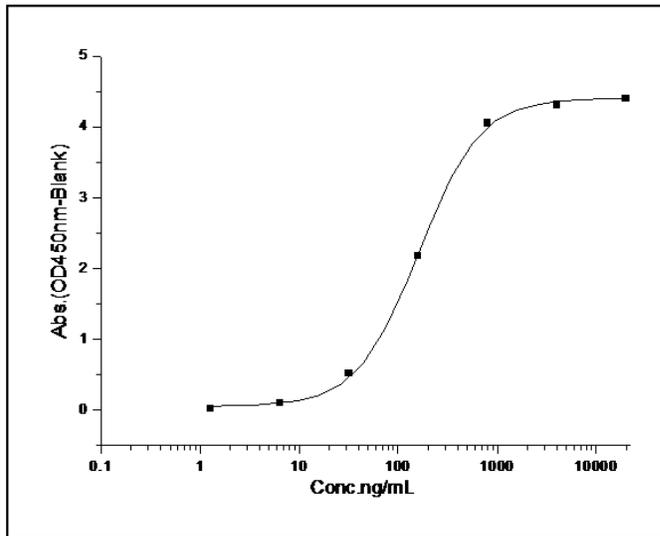
Recombinant Mouse CD155 / Poliovirus Receptor (His Tag)

Catalog No.	CRM578A-His CRM578B-His	Quantity:	50 µg 100 µg
Alternate Names:	Poliovirus receptor, Tage4 receptor		
Description:	CD155 is a type I transmembrane single-span glycoprotein, and belongs to the nectins and nectin-like (Nect) 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:	Q8K094		
Accession Number:	NP_081790.1		
Protein Construction:	A DNA sequence encoding the mouse CD155 precursor (Met 1-Arg 345) was expressed with a C-terminal polyhistidine tag.		
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 secreted rmCD155, generated after removal of the signal peptide, consists of 329 aa with a predicted MW of 28 kDa and migrates at ~60-65 kDa in reduced SDS-PAGE, due to glycosylation.		
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:	In a functional ELISA, immobilized recombinant mouse CD155/PVR at 1 µg/ml (100 µl/well) can bind recombinant mouse CD226/DNAM-1 with a linear range of 0.78-100 ng/ml.		
Predicted N-terminal:	Gly 28		
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.		



Measured by its ability to bind recombinant mouse CD226/DNAM-1. Immobilized recombinant mouse CD155/PVR at 1 $\mu\text{g/ml}$ (100 $\mu\text{l/well}$) can bind recombinant mouse CD226/DNAM-1 with a linear range of 0.78-100 ng/ml.

SDS-PAGE



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