

**Pvr**

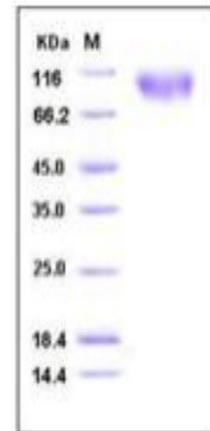
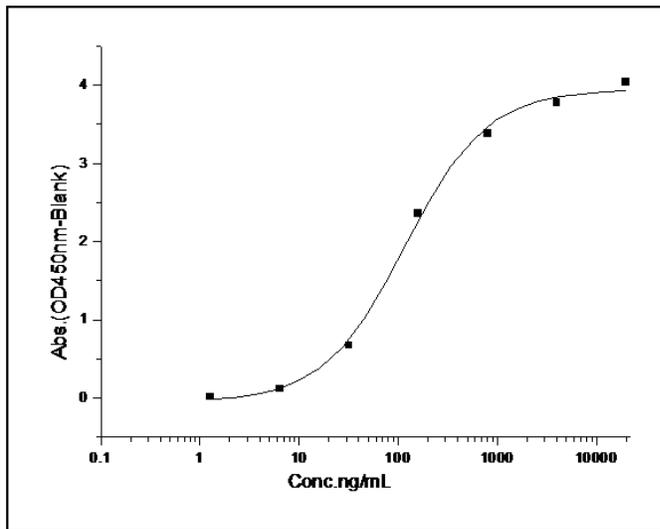
## Recombinant Mouse CD155 / Poliovirus Receptor (His & Fc Tag)

<b>Catalog No.</b>	CRM578A-HisFc CRM578B-HisFc	<b>Quantity:</b>	50 µg 100 µg
<b>Alternate Names:</b>	Poliovirus receptor, Tage4 receptor		
<b>Description:</b>	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.		
<b>UniProt ID:</b>	Q8K094		
<b>Accession Number:</b>	NP_081790.1		
<b>Protein Construction:</b>	A DNA sequence encoding the mouse CD155 precursor (Met 1-Arg 345) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.		
<b>Source:</b>	HEK293 Cells		
<b>Formulation:</b>	Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.		
<b>Molecular Weight:</b>	The secreted rmCD155/Fc is a disulfide-linked homodimer after removal of the signal peptide. The reduced monomer consists of 566 aa with a predicted MW of 63 kDa and migrates at ~95-105 kDa in reduced SDS-PAGE, due to glycosylation.		
<b>Purity:</b>	> 90 % as determined by SDS-PAGE.		
<b>Endotoxin Level:</b>	< 1.0 EU per µg of the protein as determined by the LAL method		
<b>Biological Activity:</b>	In a functional ELISA , immobilized mouse DNAM1 at 2 µg/ml (100 µl/well) can bind mouse CD155 with a linear ranger of 6.4-160 ng/ml .		
<b>Predicted N-terminal:</b>	Gly 28		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> 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. <b>DO NOT VORTEX.</b> Allow several minutes for complete reconstitution.		
<b>Storage &amp; Stability:</b>	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. <b>Avoid repeated freeze-thaw cycles.</b>		



Measured by its binding ability in a functional ELISA. Immobilized mouse DNAM1 at 2  $\mu\text{g/ml}$  (100  $\mu\text{l/well}$ ) can bind mouse CD155 with a linear ranger of 6.4-160 ng/ml.

SDS-PAGE



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