

## Mouse CD155/PVR Protein

Cat. No. CD1-MM455



### Description

<b>Source</b>	Recombinant Mouse CD155/PVR Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Asp29-Leu348.
<b>Accession</b>	Q8K094-1
<b>Molecular Weight</b>	The protein has a predicted MW of 35.9 kDa. Due to glycosylation, the protein migrates to 55-75 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1 EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

### Formulation and Storage

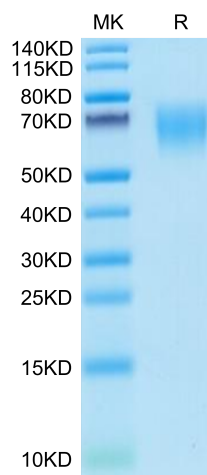
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

### Background

CD155 is a cell surface adhesion molecule functioning in tumor cell migration, invasion, and metastasis, and not surprisingly, is also designated as a common tumor-associated antigen. CD155 is also recognized by NK cells to induce their cytotoxicity. CD155 is also commonly referred to as the "poliovirus receptor," or PVR.

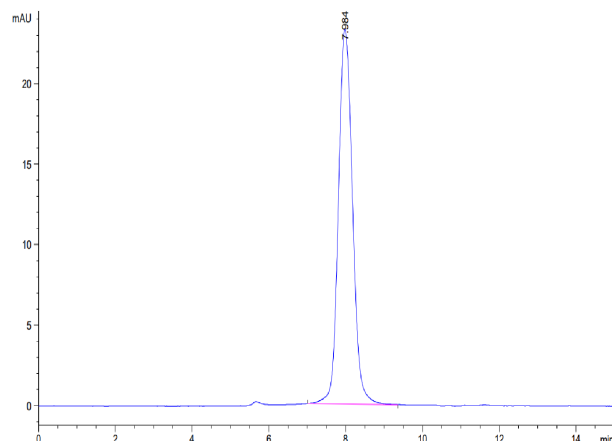
### Assay Data

#### Bis-Tris PAGE



Mouse CD155 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

#### SEC-HPLC



The purity of Mouse CD155 is greater than 95% as determined by SEC-HPLC.

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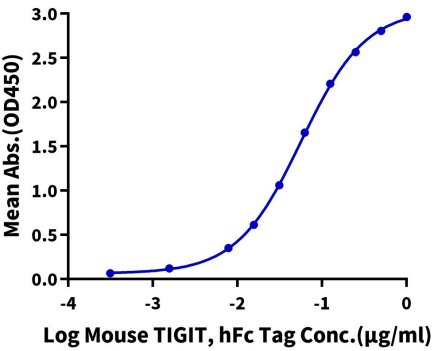


Assay Data

ELISA Data

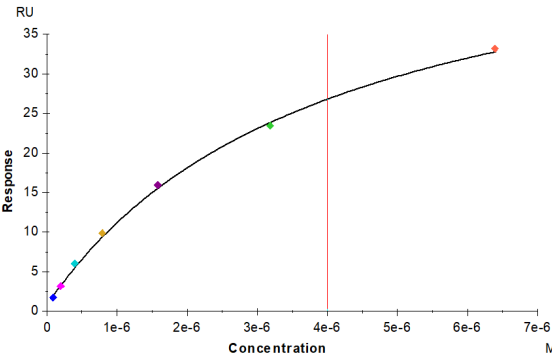
Mouse CD155, His Tag ELISA

0.5µg Mouse CD155, His Tag Per Well



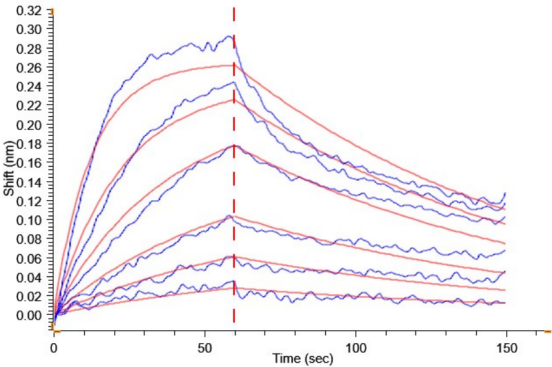
Immobilized Mouse CD155, His Tag at 5µg/ml (100µl/Well) on the plate. Dose response curve for Mouse TIGIT, hFc Tag with the EC50 of 56.5ng/ml determined by ELISA (QC Test).

SPR Data



Mouse CD155, His Tag immobilized on CM5 Chip can bind Mouse TIGIT, His Tag with an affinity constant of 4.00 µM as determined in SPR assay (Biacore T200).

BLI Data



Loaded Mouse CD155, His Tag on Anti-His-Biosensor can bind Rat TIGIT, mFc Tag with an affinity constant of 6.93 nM as determined in BLI assay (Gator® Prime).