Mouse CD155/PVR Protein

Cat. No. CD1-MM455

Description

Source	Recombinant Mouse CD155/PVR Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Asp29-Leu348.
Accession	Q8K094-1
Molecular Weight	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.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

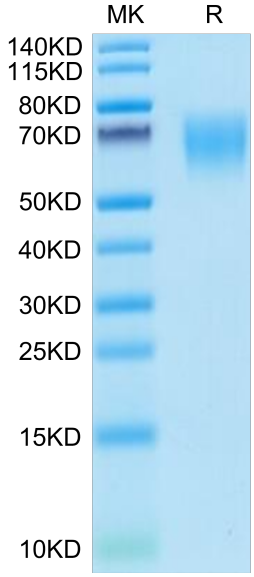
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-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

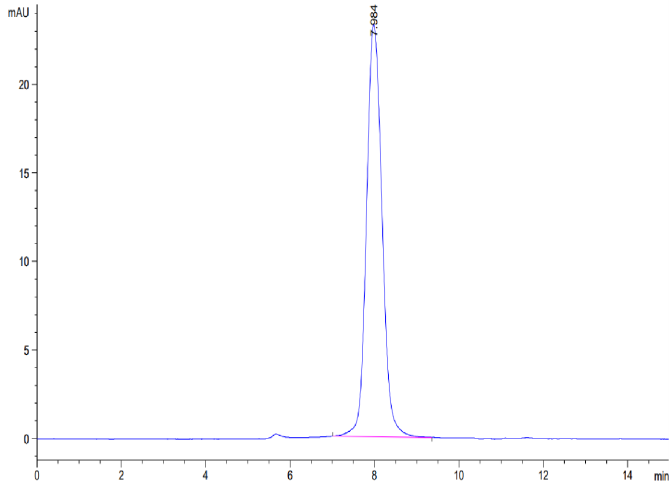
Bis-Tris PAGE



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

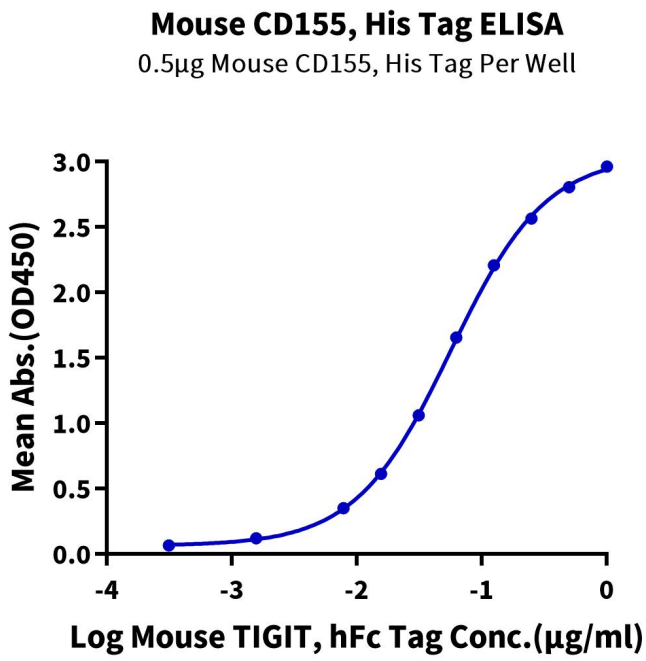
SEC-HPLC

Assay Data



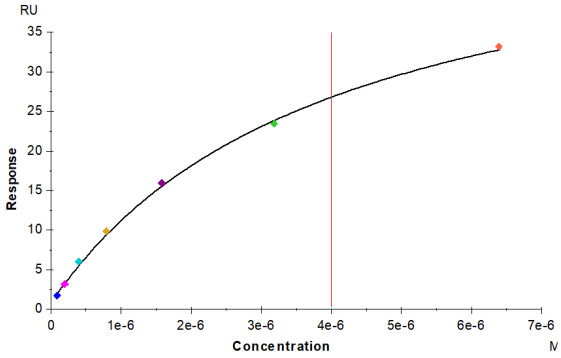
The purity of Mouse CD155 is greater than 95% as determined by SEC-HPLC.

ELISA Data



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).