

# Human CD155/PVR Protein

Cat. No. CD1-HM255

## Description

<b>Source</b>	Recombinant Human CD155/PVR Protein is expressed from Expi293 with hFc tag at the C-terminal. It contains Trp21-Asn343.
<b>Accession</b>	P15151-1
<b>Molecular Weight</b>	The protein has a predicted MW of 61.8 kDa. Due to glycosylation, the protein migrates to 75-100 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by SEC-HPLC

## Formulation and Storage

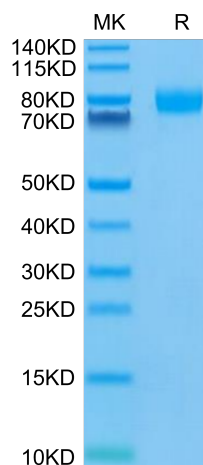
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid 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

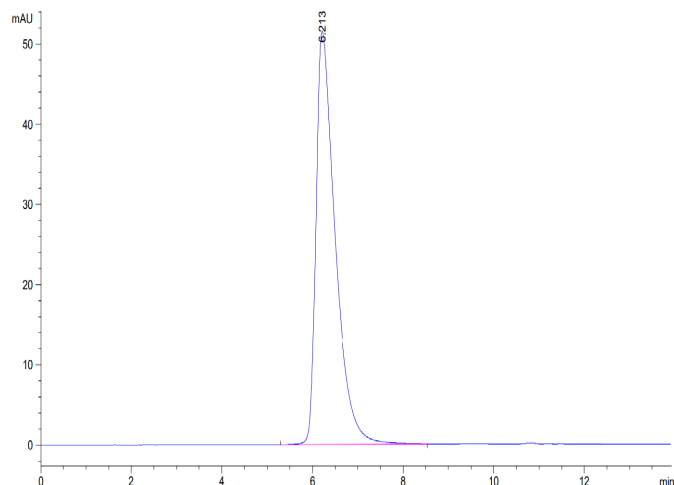
### Tris-Bis PAGE



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

### SEC-HPLC

Assay Data

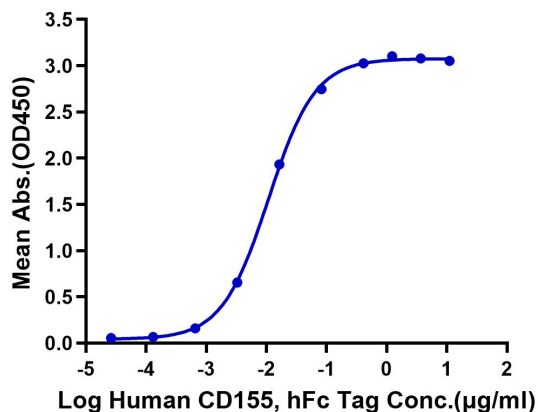


The purity of Human CD155 is greater than 95% as determined by SEC-HPLC.

ELISA Data

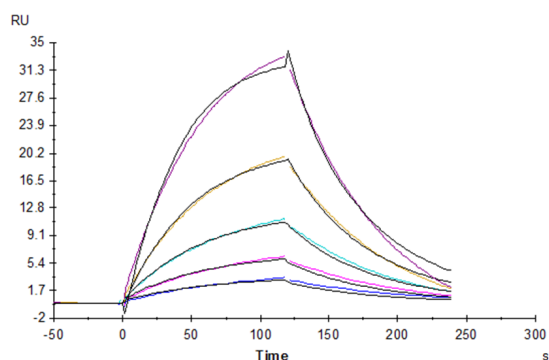
Human CD155, hFc Tag ELISA

0.05µg Biotinylated Human TIGIT, His Tag Per Well



Immobilized Biotinylated Human TIGIT, His Tag at 0.5µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Human CD155, hFc Tag with the EC50 of 10.9ng/ml determined by ELISA.

SPR Data



Human CD155, hFc Tag captured on CM5 Chip via Protein A can bind Human CD96, His Tag with an affinity constant of 0.958 µM as determined in SPR assay (Biacore T200).