

# Human CD155/PVR Protein

Cat. No. CD1-HM455

## Description

<b>Source</b>	Recombinant Human CD155/PVR Protein is expressed from Expi293 with His tag and Avi 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 38 kDa. Due to glycosylation, the protein migrates to 55-70 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by SEC-HPLC

## Formulation and Storage

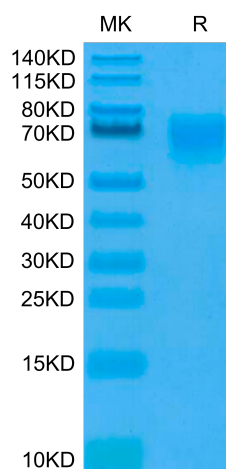
<b>Formulation</b>	Lyophilized from 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended (usually we use 1mg/ml solution for lyophilization). 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

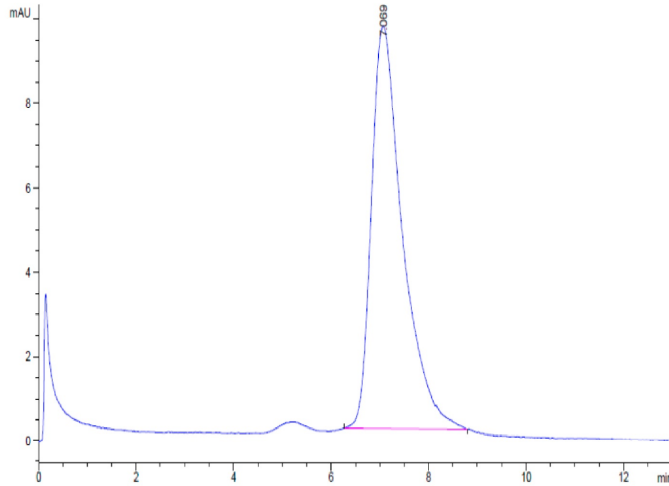
### Tris-Bis PAGE



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

### SEC-HPLC

Assay Data

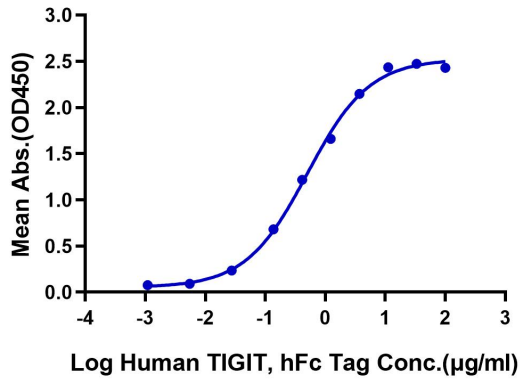


The purity of Human CD155 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human CD155, His Tag ELISA

0.5µg Human CD155, His Tag Per Well



Immobilized Human CD155, His Tag at 5µg/ml (100µl/Well) on the plate. Dose response curve for Human TIGIT, hFc Tag with the EC50 0.5µg/ml determined by ELISA.