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Poliovirus Receptor Protein (PVR) (AA 21-343) (His-Avi Tag)





Overview

Quantity:	100 μg
Target:	Poliovirus Receptor (PVR)
Protein Characteristics:	AA 21-343
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Poliovirus Receptor protein is labelled with His-Avi Tag.

Product Details

Human CD155/PVR Protein
Trp21-Asn343
Recombinant Human CD155/PVR Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Trp21-Asn343.
> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by SEC-HPLC
0.22 µm filtered
Less than 1EU per µg by the LAL method.
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. See testing image for detail.

Target Details

Target:	Poliovirus Receptor (PVR)
Alternative Name:	CD155 (PVR Products)
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.
Molecular Weight:	38 kDa. Due to glycosylation, the protein migrates to 55-70 kDa based on Tris-Bis PAGE result.
Pathways:	Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Cell-Cell Junction Organization, Cancer Immune Checkpoints, SARS-CoV-2 Protein Interactome

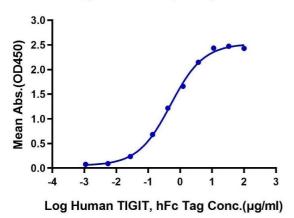
Application Details

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

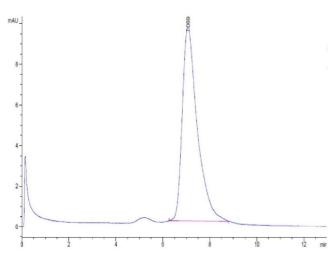
Human CD155, His Tag ELISA

0.5µg Human CD155, His Tag Per Well



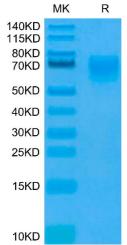
ELISA

Image 1. Immobilized Human CD155, His Tag at $5 \,\mu g/mL$ (100 $\mu L/Well$) on the plate. Dose response curve for Human TIGIT, hFc Tag with the EC50 $0.5 \,\mu g/mL$ determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human CD155 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Human CD155 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .