Datasheet for ABIN7274075

Poliovirus Receptor Protein (PVR) (AA 21-343) (mFc Tag)

4 Images

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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 mFc Tag.

Product Details

Purpose:	Human CD155/PVR Protein
Sequence:	Trp21-Asn343
Characteristics:	Recombinant Human CD155/PVR Protein is expressed from HEK293 with mFc (IgG1) tag at the C-Terminus.It contains Trp21-Asn343.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human CD155, mFc Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Human TIGIT, hFc Tag with the EC50 of 73.0ng/ml determined by ELISA. See testing image for detail.

Target Details

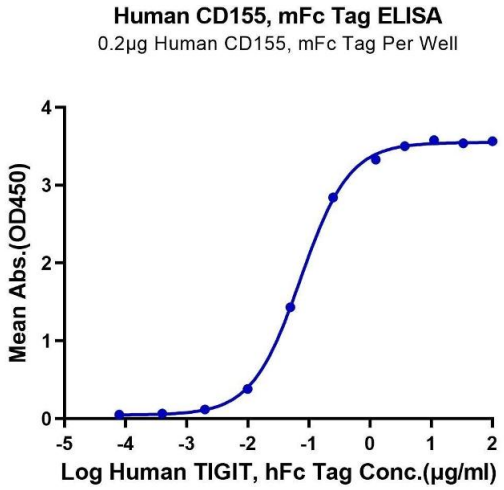
Target:	Poliovirus Receptor (PVR)
Alternative Name:	CD155 (PVR Products)
Background:	CD155 is a cell surface adhesion molecule functioning in tumor cell migration, invasion, and metastasis, and not surprisingly, is also designated as a common tumor-associated antigen. CD155 is also recognized by NK cells to induce their cytotoxicity. CD155 is also commonly referred to as the "poliovirus receptor," or PVR.
Molecular Weight:	61.8 kDa. Due to glycosylation, the protein migrates to 75-100 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

Restrictions:	For Research Use only

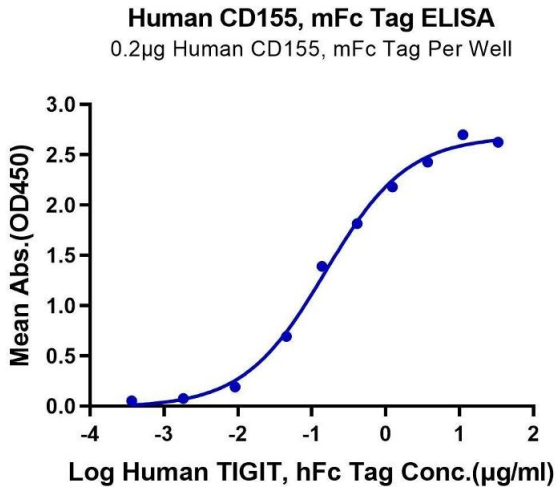
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/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



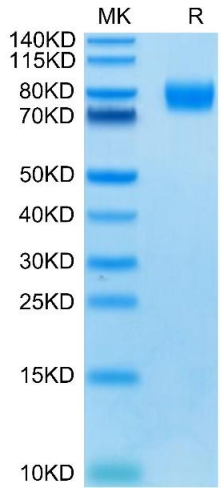
ELISA

Image 1. Immobilized Human CD155, mFc Tag at 2 µg/mL (100 µL/well) on the plate. Dose response curve for Human TIGIT, hFc Tag with the EC50 of 73.0 ng/mL determined by ELISA.



ELISA

Image 2. Immobilized Human CD155, mFc Tag at 2 µg/mL (100 µL/Well) on the plate. Dose response curve for Human TIGIT, hFc Tag with the EC50 of 15.3 ng/mL determined by ELISA.



SDS-PAGE

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

Please check the product details page for more images. Overall 4 images are available for ABIN7274075.