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Datasheet for ABIN6961100

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

2 Images

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-His Tag.
Application:	ELISA

Product Details

Purpose:	Recombinant human CD155 protein with C-terminal mouse Fc and 6xHis tag
Specificity:	CD155 (Trp21-Asn343) mFc (Pro99-Lys330) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	Poliovirus Receptor (PVR)
Alternative Name:	CD155 (PVR Products)

Target Details

Background:	The protein encoded by this gene is a transmembrane glycoprotein belonging to the immunoglobulin superfamily. The external domain mediates cell attachment to the extracellular matrix molecule vitronectin, while its intracellular domain interacts with the dynein light chain Tctex-1/DYNLT1. The gene is specific to the primate lineage, and serves as a cellular receptor for poliovirus in the first step of poliovirus replication. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Weight:	predicted molecular mass of 62.2 kDa after removal of the signal peptide. The apparent molecular mass of CD155-mFc-His is 95-130 kDa due to glycosylation.
Gene ID:	5817
UniProt:	P15151
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

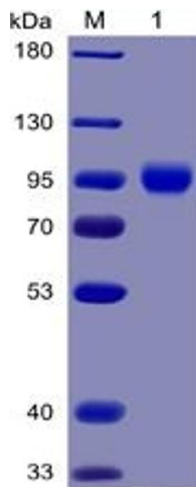
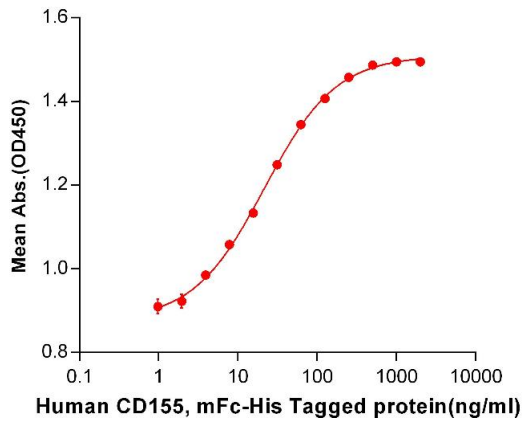
Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months

Human CD155, mFc-His Tagged protein ELISA

0.2 µg of TIGIT, hFc Tagged protein per well



ELISA

Image 1. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human CD155, mFc-His tagged protein (ABIN6961100) can bind Human TIGIT, hFc tagged protein (ABIN6961144) in a linear range of 1.95-125 ng/mL.

SDS-PAGE

Image 2. Human CD155 Protein, mFc-His Tag on SDS-PAGE under reducing condition.