

Datasheet for ABIN7274094

**Poliovirus Receptor Protein (PVR) (AA 29-348) (His tag)**[Go to Product page](#)**4** Images

## Overview

Quantity:	100 µg
Target:	Poliovirus Receptor (PVR)
Protein Characteristics:	AA 29-348
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Poliovirus Receptor protein is labelled with His tag.

## Product Details

Purpose:	Mouse CD155/PVR Protein
Sequence:	Asp29-Leu348
Characteristics:	Recombinant Mouse CD155/PVR Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Asp29-Leu348.
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 Mouse CD155, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Mouse TIGIT, hFc Tag with the EC50 of 0.42µg/ml determined by ELISA. The affinity constant of 4.00 µM as determined in SPR assay (Biacore T200). See testing image for detail.

## Target Details

Target:	Poliovirus Receptor (PVR)
Alternative Name:	CD155 ( <a href="#">PVR Products</a> )
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:	35.9 kDa. Due to glycosylation, the protein migrates to 55-75 kDa based on Tris-Bis PAGE result.
Pathways:	<a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Cell-Cell Junction Organization</a> , <a href="#">Cancer Immune Checkpoints</a> , <a href="#">SARS-CoV-2 Protein Interactome</a>

## Application Details

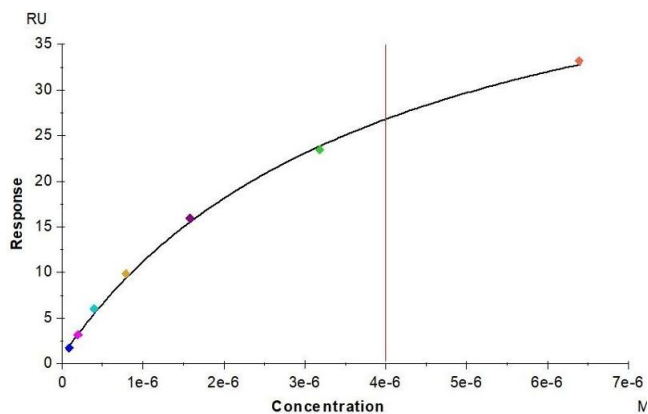
Restrictions:	For Research Use only
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## Handling

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

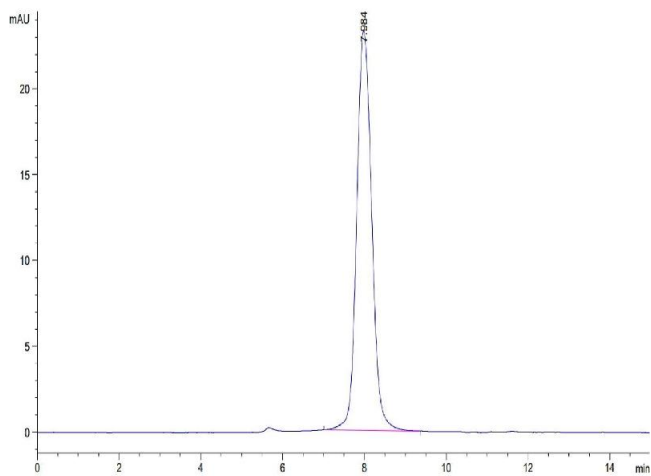
Surface Plasmon Resonance

**Image 1.** Mouse CD155, His Tag immobilized on CM5 Chip can bind Mouse TIGIT, His Tag with an affinity constant of 4.00  $\mu$ M as determined in SPR assay (Biacore T200).



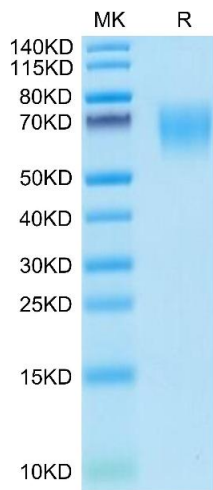
Size-exclusion chromatography-High Pressure Liquid Chromatography

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



SDS-PAGE

**Image 3.** Mouse 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 ABIN7274094.