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Datasheet for ABIN7321243

Poliovirus Receptor Protein (PVR) (His tag)

1 Image

Overview

Quantity:	100 µg
Target:	Poliovirus Receptor (PVR)
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Poliovirus Receptor protein is labelled with His tag.

Product Details

Purpose:	Recombinant Rat CD155/PVR/NECL5 Protein (His Tag)(Active)
Sequence:	Met 1-Gly 352
Characteristics:	A DNA sequence encoding the extracellular domain of rat PVR (NP_058772.2) (Met 1-Gly 352) was expressed, fused with a polyhistidine tag at the C-terminus.
Purity:	> 97 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized rat CD155 at 20 µg/ml (100 µl/well) can bind mouse CD226 with a linear ranger of 6.4-160 ng/ml.

Target Details

Target:	Poliovirus Receptor (PVR)
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Target Details

Alternative Name: CD155/PVR/NECL5 ([PVR Products](#))

Background: Background: CD155, commonly known as PVR (poliovirus receptor) and Necl-5 (nectin-like molecule-5), is a type I transmembrane single-span glycoprotein, and belongs to the nectins and nectin-like (Necl) subfamily. CD155 was originally identified based on its ability to mediate the cell attachment and entry of poliovirus (PV), an etiologic agent of the central nervous system disease poliomyelitis. The normal cellular function is in the establishment of intercellular adherens junctions between epithelial cells. CD155 may assist in an efficient humoral immune response generated within the intestinal immune system. It has been demonstrated that CD155 can be recognized and bond by DNAM-1 and CD96 which promote the adhesion, migration and NK-cell killing, and thus efficiently prime cell-mediated tumor-specific immunity. Immune Checkpoint Detection: ELISA
Antibodies Immune Checkpoint Detection: ICC Antibodies Immune Checkpoint Detection: IP Antibodies Immune Checkpoint Detection: FCM Antibodies Immune Checkpoint Detection: WB Antibodies Immune Checkpoint Proteins Immune Checkpoint Targets Co-inhibitory Immune Checkpoint Targets Immunotherapy Cancer Immunotherapy Targeted Therapy
Synonym: PVR;Taa1;Tage4

Molecular Weight: 35.8 kDa

NCBI Accession: [NP_058772](#)

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

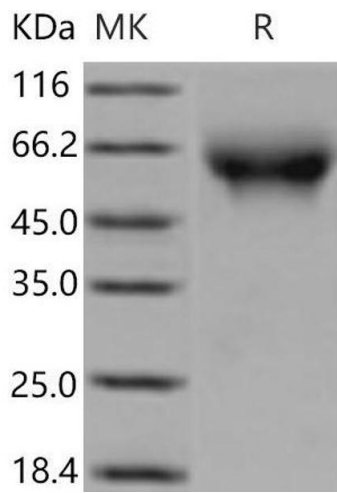
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.