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Datasheet for ABIN7320731 Poliovirus Receptor Protein (PVR) (AA 29-348) (His tag)



Overview

Image

Quantity:	50 µg
Target:	Poliovirus Receptor (PVR)
Protein Characteristics:	AA 29-348
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Poliovirus Receptor protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse CD155/PVR Protein (aa 29-348, His Tag)(Active)	
Sequence:	Asp29-Leu348	
Characteristics:	Recombinant Mouse Poliovirus Receptor is produced by our Mammalian expression system and the target gene encoding Asp29-Leu348 is expressed with a 6His tag at the C-terminus.	
Purity:	> 95 % as determined by SDS-PAGE	
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.	
Biological Activity Comment:	Immobilized Human TIGIT-Fc(Cat: PKSH033510) at 5µg/ml(100 µl/well) can bind Mouse PVR- 6His. The ED50 of Mouse PVR-6His is 35.3 ug/mL	

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Target Details		
Target:	Poliovirus Receptor (PVR)	
Alternative Name:	CD155/PVR (PVR Products)	
Background:	Background: Mouse poliovirus receptor (PVR, CD155) is a type I transmembrane (TM) glycoprotein that is a member of the nectin-related family of adhesion proteins within the immunoglobulin superfamily. It binds other molecules including vitronectin, Nectin3, DNAM1, CD96, and TIGIT, but does not bind homotypically. CD155 includes a 28 aa signal sequence, a 318 aa extracellular domain (ECD) with one N-terminal V-type and two C2-type Ig-like domains, a 24 aa TM segment and a 38 aa cytoplasmic tail. Epithelial, endothelial, and many immune cells show low CD155 expression. It is up-regulated on endothelia by IFNγ, and is highly expressed on immature thymocytes, lymph node dendritic cells, and tumor cells of epithelial and neuronal origin. On migrating cells, it is concentrated at the leading edge, where it binds basement membrane vitronectin, recruits Nectin-3-expressing cells, and cooperates with PDGF and integrin $\alpha\nu\beta3$ to promote cell migration. Binding of monocyte DNAM-1 to endothelial cell CD155 promotes transendothelial migration. Enhanced CD155 expression in tumor cells contributes to loss of contact inhibition and increased migration, but also allows tumor cell recognition and killing by DNAM-1or CD96 expressing NK cells. Synonym: Poliovirus receptor, CD155 antigen, Nectin-like protein 5, Nectin-2, Tage4 receptor, Pvr, PVR, Necl5, CD155,3830421F03Rik,D7Ertd458e,HVED,mE4,necl-5,PVS,Taa1,Tage4	
Molecular Weight:	35.6 kDa	
UniProt:	Q8K094	
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 a 0.2 μm filtered solution of 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.	

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Images



Western	Blotting

Image 1.

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