Datasheet for ABIN7318075

PVRL2 Protein

Go to Product page

Overview

Quantity:	100 µg
Target:	PVRL2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Purpose:	Recombinant Human CD112/Nectin-2 Protein (Active)
Sequence:	Met 1-Leu 360
Characteristics:	The mature form of recombinant human CD112 (NP_002847.1) extracellular domain (Met 1-Leu 360) with quinary-aa peptide (DDDDK) at the C-terminus was expressed and purified.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA.Immobilized human CD112 at 10 µg/ml (100 µl/well) can bind human DNAM1-Fch with a linear range of 1.25-10 µg/ml.

Target Details

Target:	PVRL2
Alternative Name:	CD112/Nectin-2 (PVRL2 Products)

Target Details

Background:	Background: Cluster of Differentiation 112 (CD112), also known as poliovirus receptor related protein 2 (PVRL2 or PRR2), is a single-pass type I transmembrane glycoprotein belonging to the Immunoglobulin superfamily. CD112 protein also serves as an entry for certain mutant strains of herpes simplex virus and pseudorabies virus, and thus is involved in cell to cell spreading of these viruses. CD112 protein has been identified as the ligand for DNAM-1 (CD226), and the interaction of CD226/CD112 protein can induce NK cell- and CD8+ T cell-mediated cytotoxicity and cytokine secretion. CD112 has been regarded as a critical component in allergic reactions, and accordingly may function as a novel target for anti-allergic therapy. Synonym: Poliovirus Receptor-Related Protein 2, Herpes Virus Entry Mediator B, Herpesvirus Entry Mediator B, HveB, Nectin-2, CD112, PVRL2, HVEB, PRR2
Molecular Weight:	36.2 kDa
NCBI Accession:	NP_002847
Pathways:	Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Cell-Cell Junction Organization

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile 100 mM Glycine, 10 mM NaCl, 50 mM Tris, pH 7.5
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.