

Datasheet for ABIN7319903
PVRIG Protein (mFc Tag)

2 Images

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Overview

Quantity:	50 µg
Target:	PVRIG
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This PVRIG protein is labelled with mFc Tag.

Product Details

Purpose:	Recombinant Human PVRIG (C-mFc)
Sequence:	Thr41-Asp171
Characteristics:	Recombinant Human Transmembrane Protein PVRIG is produced by our Mammalian expression system and the target gene encoding Thr41-Asp171 is expressed with a mFc tag at the C-terminus.
Purity:	>95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	1.Immobilized Human PVRIG-mFc(Cat#C08Y) at 10µg/ml (100 µl/well) can bind Human Nectin-2-His(Cat#C440).The ED50 of Human Nectin-2-His(Cat#C440) is 3.72 ug/ml. 2.Immobilized Human PVRIG-mFc(Cat#C08Y) at 10µg/ml (100 µl/well) can bind Biotinylated Human Nectin-2-His-Avi(Cat#CY73). The ED50 of Biotinylated Human Nectin-2-His-Avi(Cat#CY73) is 0.42 ug/ml.

Target Details

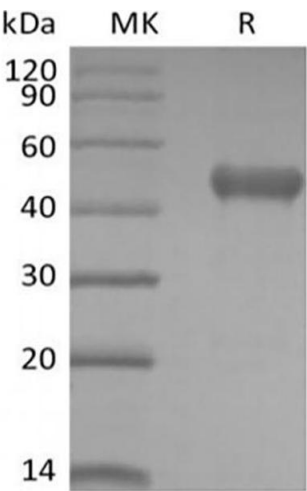
Target:	PVRIG
Alternative Name:	PVRIG (PVRIG Products)
Background:	<p>Background: Human PVRIG (poliovirus receptor related immunoglobulin domain-containing protein), also known as CD112 receptor (CD112R), is an approximately 34 kDa single transmembrane protein in the poliovirus receptor-like protein (PVR) family. The extracellular domain sequence of human and mouse PVRIG have approximately 65 % similarity. PVRIG functions as a cell surface receptor for Nectin-2/CD112, a cell surface protein that is widely expressed on antigen-presenting cells and tumor cells. Disrupting the PVRIG/Nectin-2 interaction enhances human T cell response, suggesting PVRIG is a novel checkpoint for human T cells. PVRIG may act as a coinhibitory receptor that suppresses T-cell receptor-mediated signals.</p> <p>Synonym: C7orf15, CD112R, PVRIG, transmembrane protein PVRIG, C7orf15MGC138295, MGC104322, MGC138297, MGC2463</p>
Molecular Weight:	40.1 kDa
UniProt:	Q6DKI7

Application Details

Restrictions:	For Research Use only
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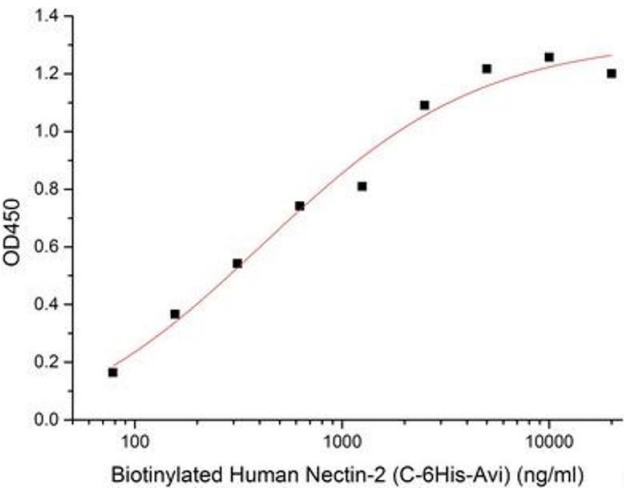
Handling

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:	<p>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.</p>



Western Blotting

Image 1.



ELISA

Image 2.