

Datasheet for ABIN7275506
PVRIG Protein (mFc Tag)

6 Images

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Overview

Quantity:	100 µg
Target:	PVRIG
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PVRIG protein is labelled with mFc Tag.

Product Details

Sequence:	Thr41-Asp171
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 Human PVRIG, mFc Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-PVRIG Antibody, hFc Tag with the EC50 of 8.0ng/ml determined by ELISA. The affinity constant of 0.349 µM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

Target:	PVRIG
Alternative Name:	PVRIG (PVRIG Products)
Background:	C7orf15, CD112R, MGC104322, MGC138297, MGC2463, PVRIG, ALS2CR18, ALS2CR9, LPD, PREL-2, PREL2, RaIGDS/AF-6, RMO1, Human PVRIG (poliovirus receptor related immunoglobulin

Target Details

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. PVRIG is a cell surface receptor for NECTIN2. May act as a coinhibitory receptor that suppresses T-cell receptor-mediated signals. Following interaction with NECTIN2, inhibits T-cell proliferation. Competes with CD226 for NECTIN2-binding.

Molecular Weight: 39.6 kDa. Due to glycosylation, the protein migrates to 50-65 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

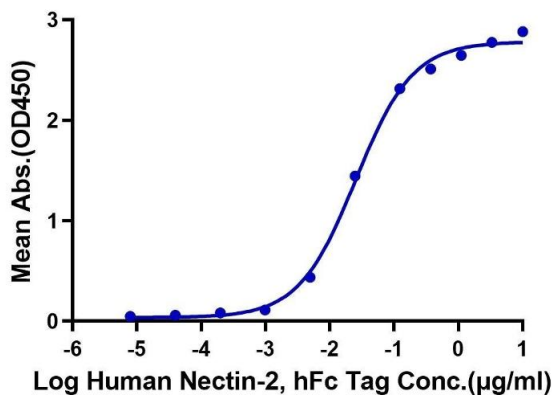
Buffer: Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.

Storage: 4 °C, -80 °C

Storage Comment: Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

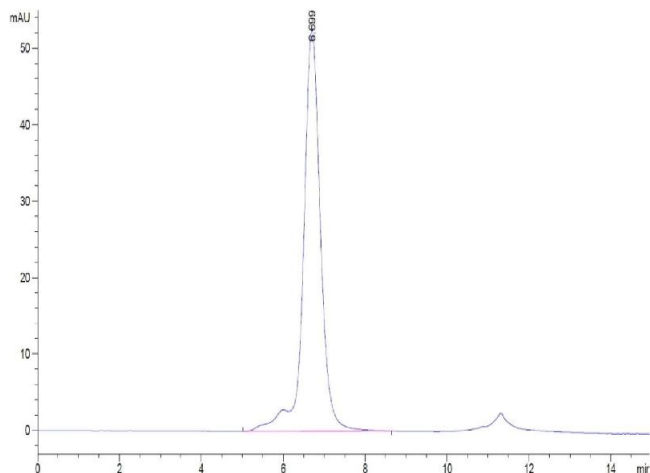
Expiry Date: 12 months

Human PVRIG, mFc Tag ELISA
0.1µg Human PVRIG, mFc Tag Per Well



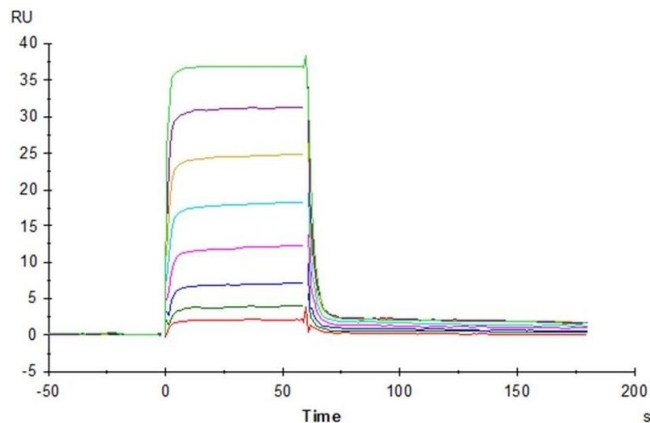
ELISA

Image 1. Immobilized Human PVRIG, mFc Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Human Nectin-2, hFc Tag with the EC₅₀ of 25.4 ng/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human PVRIG is greater than 95 % as determined by SEC-HPLC.



Surface Plasmon Resonance

Image 3. Human PVRIG, mFc Tag captured on CM5 Chip via Anti-Mouse Antibody can bind Human Nectin-2, His Tag with an affinity constant of 0.349 µM as determined in SPR assay (Biacore T200).

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN7275506.