

Datasheet for ABIN7275503

PVRIG Protein (AA 41-171) (His tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	PVRIG
Protein Characteristics:	AA 41-171
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PVRIG protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus PVRIG Protein
Sequence:	Thr41-Asp171
Characteristics:	Recombinant Cynomolgus PVRIG Protein is expressed from HEK293 with His tag at the C-Terminus. It contains 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 Cynomolgus PVRIG, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-PVRIG Antibody, hFc Tag with the EC50 of 10.7ng/ml determined by ELISA. See testing image for detail.

Target Details

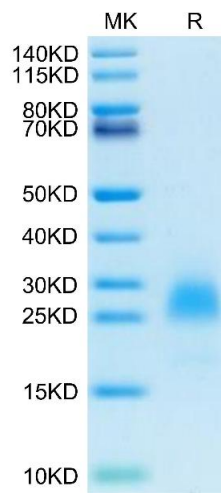
Target:	PVRIG
Alternative Name:	PVRIG (PVRIG Products)
Background:	PVRIG (poliovirus receptor related immunoglobulin domain-containing protein), also known as CD112 receptor (CD112R), is an approximately 34 kDa single transmembrane protein in the poliovirus receptor-like protein (PVR) family. PVRIG is 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:	14.78 kDa. Due to glycosylation, the protein migrates to 25-30 kDa based on Tris-Bis PAGE result.
UniProt:	A0A2K5WVV8

Application Details

Restrictions:	For Research Use only
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Handling

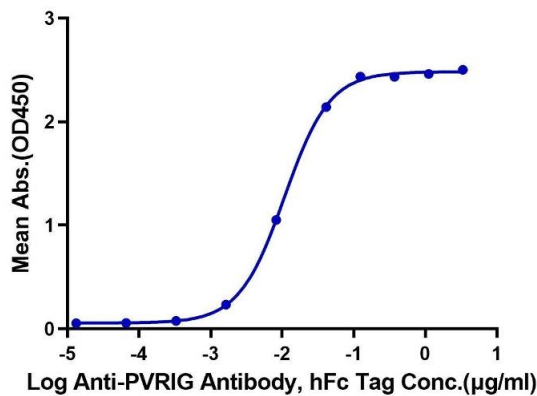
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

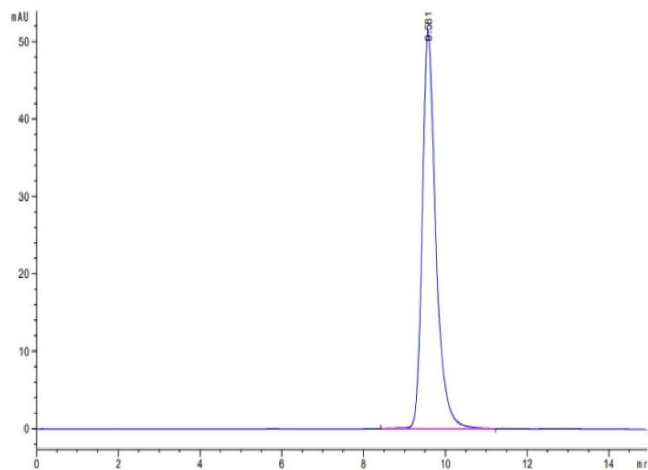
Image 1. Cynomolgus PVRIG on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Cynomolgus PVRIG, His Tag ELISA
0.05µg Cynomolgus PVRIG, His Tag Per Well



ELISA

Image 2. Immobilized Cynomolgus PVRIG, His Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-PVRIG Antibody, hFc Tag with the EC50 of 10.7 ng/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Cynomolgus PVRIG is greater than 95 % as determined by SEC-HPLC.