

Datasheet for ABIN7275504

PVRIG Protein (AA 41-171) (Fc Tag)**4** 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 Fc Tag. |

Product Details

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|------------------------------|--|
| Purpose: | Cynomolgus PVRIG Protein |
| Sequence: | Thr41-Asp171 |
| Characteristics: | Recombinant Cynomolgus PVRIG Protein is expressed from HEK293 with hFc 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, hFc Tag at 0.1 µg/ml (100 µl/well) on the plate. Dose response curve for Biotinylated Anti-PVRIG Antibody, hFc Tag with the EC50 of 5.4 ng/ml determined by ELISA. The affinity constant of 0.23 µM as determined in SPR assay (Biacore T200). See testing image for detail. |

Target Details

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|-------------------|---|
| 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: | 40.3 kDa. Due to glycosylation, the protein migrates to 50-60 kDa based on Tris-Bis PAGE result. |

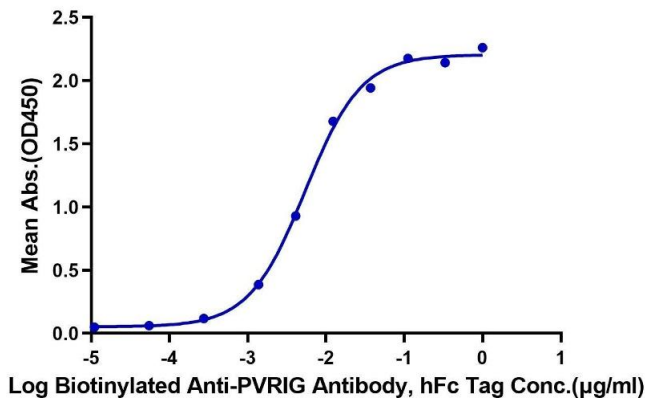
Application Details

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|---------------|-----------------------|
| Restrictions: | For Research Use only |
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Handling

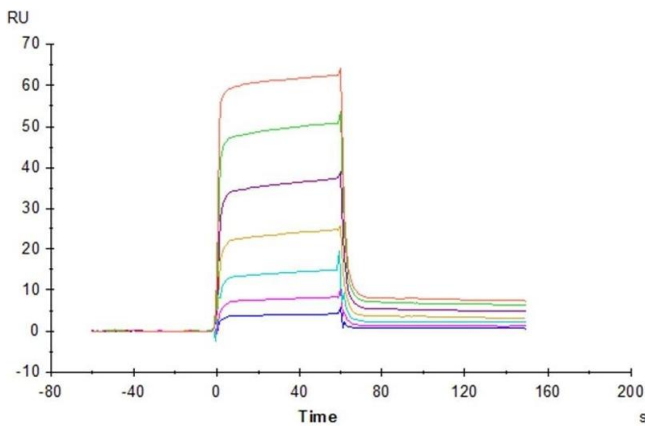
| | |
|------------------|---|
| Format: | Lyophilized |
| Reconstitution: | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water. |
| Buffer: | Lyophilized from 0.22µm filtered solution in PBS (pH 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 |

Cynomolgus PVRIG, hFc Tag ELISA
0.01µg Cynomolgus PVRIG, hFc Tag Per Well



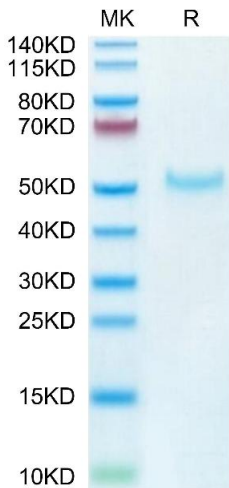
ELISA

Image 1. Immobilized Cynomolgus PVRIG, hFc Tag at 0.1 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Anti-PVRIG Antibody, hFc Tag with the EC50 of 5.4 ng/mL determined by ELISA.



Surface Plasmon Resonance

Image 2. Cynomolgus PVRIG, hFc Tag captured on CM5 Chip via Protein A can bind Human Nectin-2, His Tag with an affinity constant of 0.23 µM as determined in SPR assay (Biacore T200).



SDS-PAGE

Image 3. Cynomolgus PVRIG on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7275504.