

# Mouse PVRIG Protein

Cat. No. PVR-MM501

## Description

<b>Source</b>	Recombinant Mouse PVRIG Protein is expressed from HEK293 with hFc tag and Avi tag at the C-Terminus. It contains Ser35-Asp165.
<b>Accession</b>	A0A1B0GS01
<b>Molecular Weight</b>	The protein has a predicted MW of 42.70 kDa. Due to glycosylation, the protein migrates to 53-63 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE

## Formulation and Storage

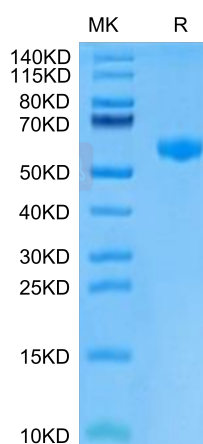
<b>Formulation</b>	Lyophilized from 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Murine PVRIG interacted weakly with poliovirus receptor (PVR) but bound poliovirus receptor-like 2 (PVRL2) strongly, making the latter its principal ligand. PVRIG is an inducible checkpoint receptor and that targeting PVRIG-PVRL2 interactions results in increased CD8+ T-cell function and reduced tumor growth.

## Assay Data

### Bis-Tris PAGE

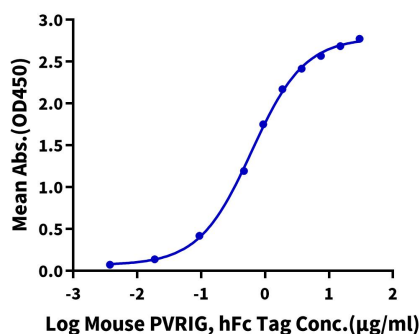


Mouse PVRIG on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### ELISA Data

#### Mouse PVRIG, hFc Tag ELISA

0.5 $\mu\text{g}$  Mouse Nectin-2, His Tag Per Well



Immobilized Mouse Nectin-2, His Tag at 5 $\mu\text{g}/\text{ml}$  (100 $\mu\text{l}/\text{well}$ ) on the plate. Dose response curve for Mouse PVRIG, hFc Tag with the EC<sub>50</sub> of 0.62 $\mu\text{g}/\text{ml}$  determined by ELISA (QC Test).