

Biotinylated Mouse PVRIG Protein

Cat. No. PVR-MM501B

| Description | |
|------------------|--|
| Source | Recombinant Biotinylated Mouse PVRIG Protein is expressed from HEK293 with hFc tag and Avi tag at the C-Terminus. It contains Ser35-Asp165. |
| Accession | A0A1B0GS01 |
| Molecular Weight | The protein has a predicted MW of 42.7 kDa. Due to glycosylation, the protein migrates to 55-65 kDa based on Bis-Tris PAGE result. |
| Endotoxin | Less than 1EU per μg by the LAL method. |
| Purity | > 95% as determined by Bis-Tris PAGE |

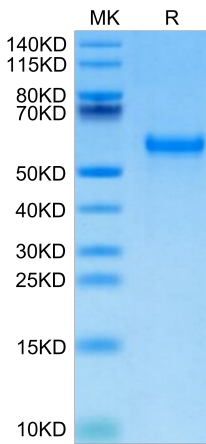
| Formulation and Storage | |
|-------------------------|---|
| Formulation | Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| Reconstitution | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water. |
| Storage | -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

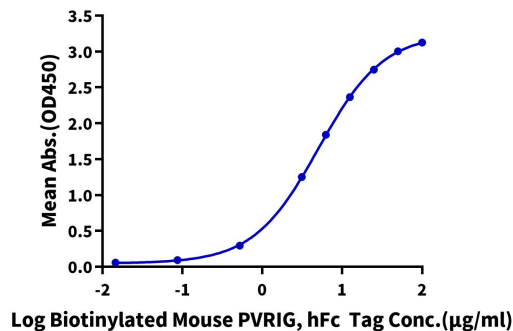


Biotinylated Mouse PVRIG on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Biotinylated Mouse PVRIG, hFc Tag ELISA

0.2 μg Mouse Nectin-2, His Tag Per Well



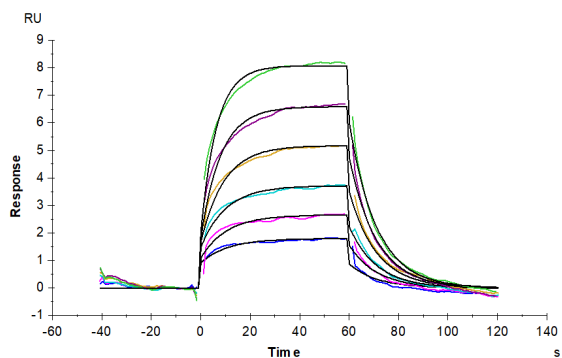
Immobilized Mouse Nectin-2, His Tag at 2 $\mu\text{g}/\text{ml}$ (100 $\mu\text{l}/\text{well}$) on the plate. Dose response curve for Biotinylated Mouse PVRIG, hFc Tag with the EC50 of 5.04 $\mu\text{g}/\text{ml}$ determined by ELISA (QC Test).

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SPR Data



Biotinylated Mouse PVRIG, hFc-Avi Tag captured on CM5 Chip via Protein A can bind Mouse Nectin-2, His Tag with an affinity constant of 2.22 μM as determined in SPR assay (Biacore T200).