Mouse PVRIG Protein

Cat. No. PVR-MM501

Description

Source	Recombinant 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 42.70 kDa. Due to glycosylation, the protein migrates to 53-63 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

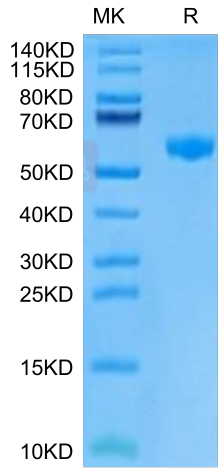
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-20 to -80°C for 3-6 months in unopened state 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.

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

Tris-Bis PAGE



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

ELISA Data

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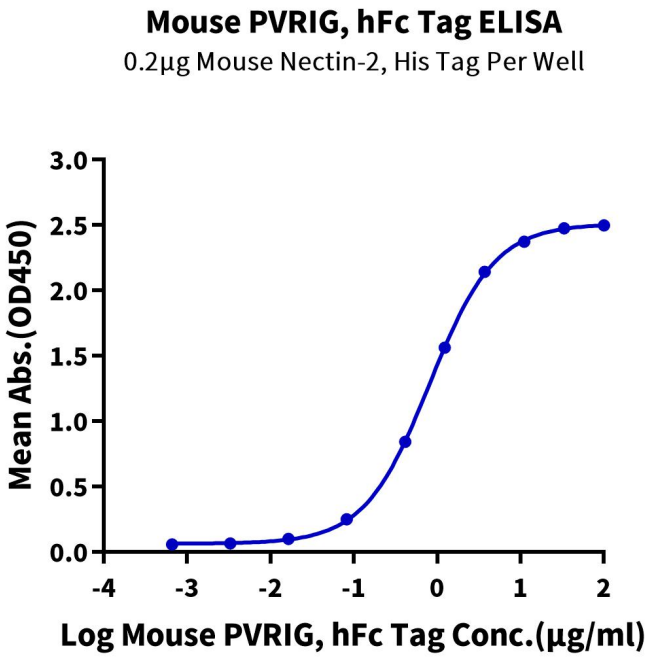
Assay Data



Immobilized Mouse Nectin-2, His Tag at 2μg/ml (100μl/well) on the plate. Dose response curve for Mouse PVRIG, hFc Tag with the EC50 of 0.81ug/ml determined by ELISA.