Cynomolgus TROP-2/TACSTD2 Protein

Cat. No. TRP-CM121

Description

Source	Recombinant Cynomolgus TROP-2/TACSTD2 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains His27-Thr274.
Accession	XP_005543292.1
Molecular Weight	The protein has a predicted MW of 28.7 kDa. Due to glycosylation, the protein migrates to 40-55 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
	> 95% as determined by HPLC

Formulation and Storage

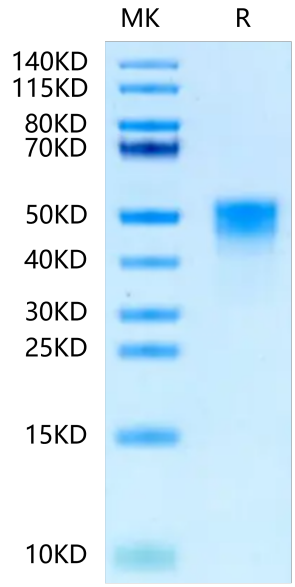
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled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

Background

Trop-2,also known as epithelial glycoprotein-1 antigen (EGP-1),is a protein that in humans is encoded by the TACSTD2 gene.Mutations of this gene result in gelatinous drop-like corneal dystrophy, an autosomal recessive disorder characterized by severe corneal amyloidosis leading to blindness.

Assay Data

Bis-Tris PAGE



Cynomolgus TROP-2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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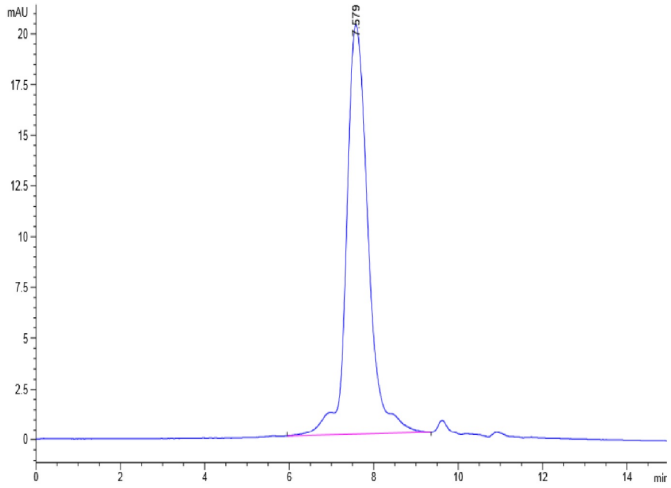
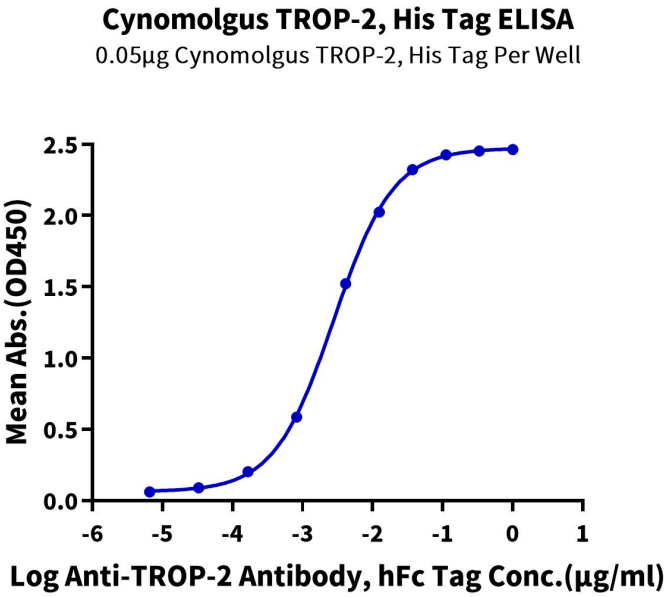
Assay Data



The purity of Cynomolgus TROP-2 is greater than 95% as determined by SEC-HPLC.

ELISA Data



Immobilized Cynomolgus TROP-2, His Tag at 0.5μg/ml (100μl/well) on the plate. Dose response curve for Anti-TROP-2 Antibody, hFc Tag with the EC50 of 2.8ng/ml determined by ELISA.