

Cynomolgus TROP-2/TACSTD2 Protein, Ultra Low Endotoxin

Cat. No. TRP-CM121-UL

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 0.01 EU per µg by the LAL method.
Purity	> 90% as determined by Bis-Tris PAGE > 90% as determined by HPLC

Formulation and Storage

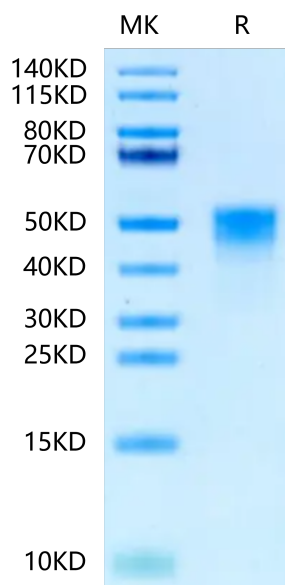
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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

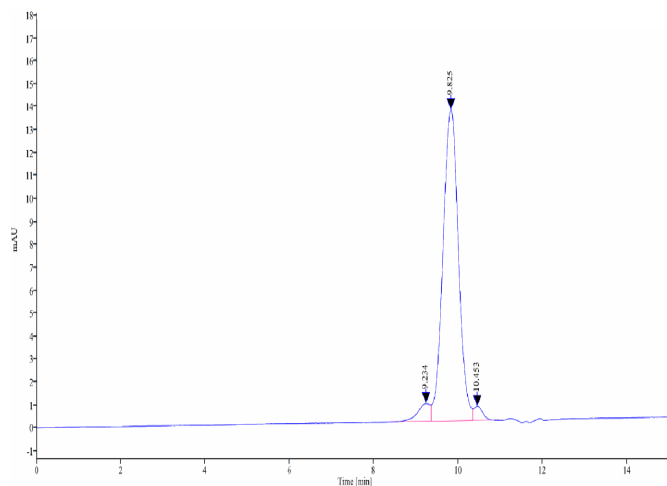
Bis-Tris PAGE



Cynomolgus TROP-2 on Bis-Tris PAGE under reduced condition. The purity is greater than 90%.

SEC-HPLC

Assay Data

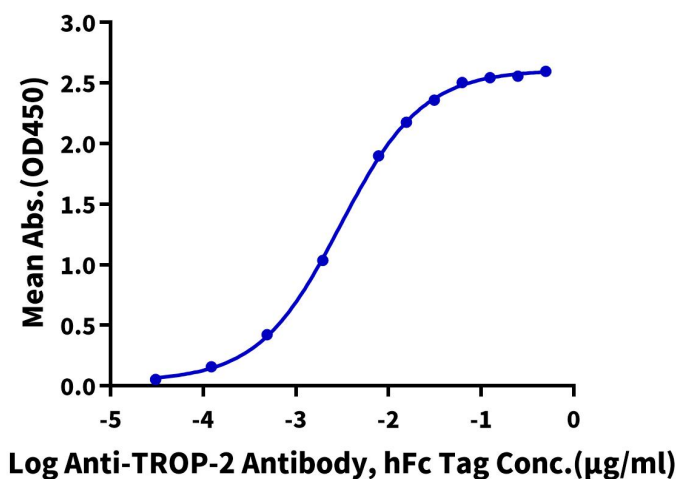


The purity of Cynomolgus TROP-2 is greater than 90% as determined by SEC-HPLC.

ELISA Data

Cynomolgus TROP-2, His Tag ELISA

0.05µg Cynomolgus TROP-2, His Tag Per Well



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 3.0ng/ml determined by ELISA.