

Cynomolgus TROP-2/TACSTD2 Protein

Cat. No. TRP-CM121

Description

Source	Recombinant Cynomolgus TROP-2/TACSTD2 Protein is expressed from Expi293 with His tag at the C-terminal. 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 Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

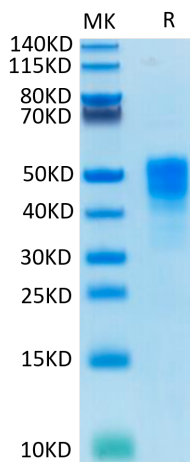
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended (usually we use 1mg/ml solution for lyophilization). 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 avoid 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

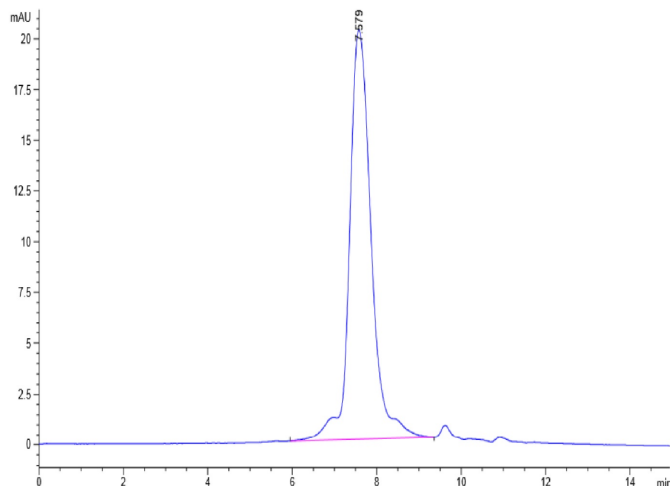
Tris-Bis PAGE



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

SEC-HPLC

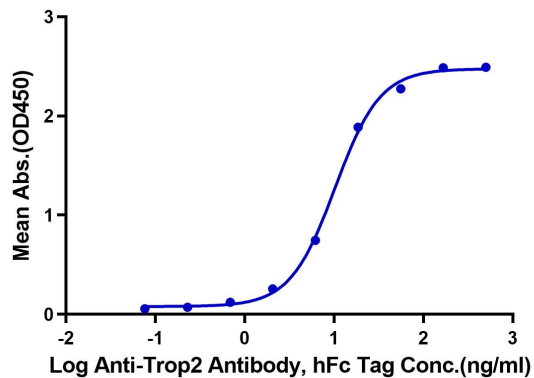
Assay Data



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

ELISA Data

Cynomolgus TROP-2/TACSTD2, His Tag ELISA
0.05µg Cynomolgus Trop2, His Tag Per Well



Immobilized Cynomolgus TROP-2 at 0.5µg/ml (100µl/Well). Dose response curve for Anti-TROP-2 Antibody, hFc Tag with the EC50 of 10.2ng/ml determined by ELISA.