

Cynomolgus TROP-2/TACSTD2 Protein

Cat. No. TRP-CM121



Description

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|-------------------------|--|
| 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

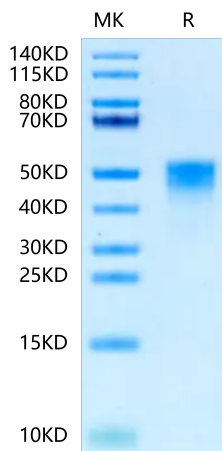
| | |
|-----------------------|---|
| Formulation | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| Reconstitution | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. 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.

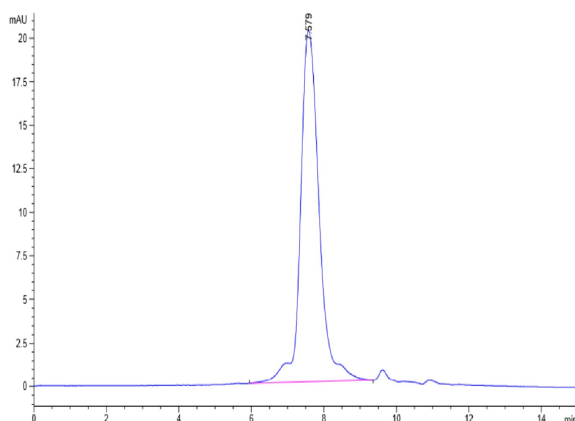
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



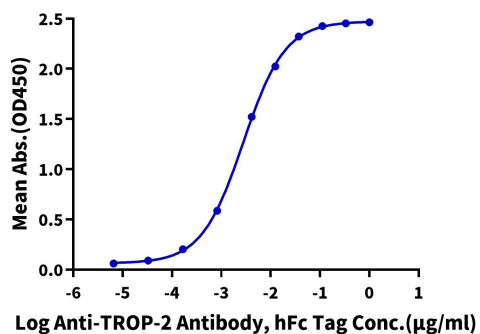
The purity of Cynomolgus TROP-2 is greater than 95% as determined by SEC-HPLC.

Assay Data

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 2.8ng/ml determined by ELISA.