

FITC-Labeled Human TROP-2/TACSTD2 Protein

Cat. No. TRP-HM121F

Description

Source	Recombinant FITC-Labeled Human TROP-2/TACSTD2 Protein is expressed from Expi293 with His tag at the C-terminal. It contains His27-Thr274.
Accession	P09758
Molecular Weight	The protein has a predicted MW of 28.9 kDa. Due to glycosylation, the protein migrates to 45-50 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per ug by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

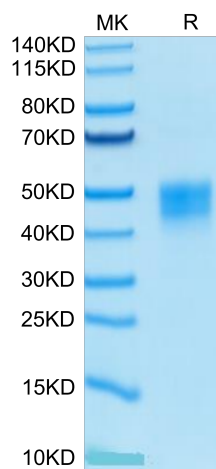
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled 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 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

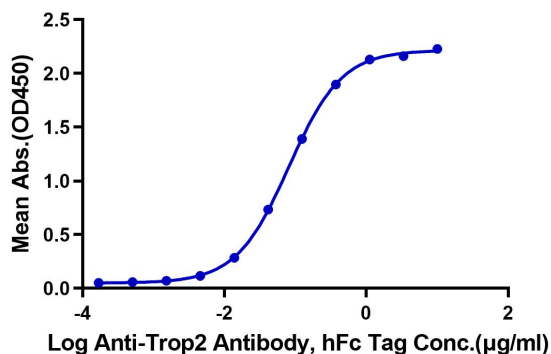


FITC-Labeled Human TROP-2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

FITC-Labeled Human Trop2, His Tag ELISA

0.05µg FITC-Labeled Human Trop2, His Tag Per Well



Immobilized FITC-Labeled Human TROP-2, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-Trop2 Antibody, hFc Tag with the EC50 of 81.1 ng/ml determined by ELISA.