Recombinant Cynomolgus TROP-2/TACSTD2 Protein

Catalog No.: RP02682

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Sequence Information

Species
Cynomolgus

Gene ID

Swiss Prot
XP_005543292.1

Tags
C-His

Synonyms
EGP1; EGP-1; TROP2; GA733-1; gp50; T16; TACSTD2; TROP-2; M1S1; TACD2

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by Tris-Bis PAGE;≥ 95 % as determined by HPLC.

Calculated MW
28.7 kDa

Observed MW
40-55 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation

Reconstitution
Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-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.

Basic Information

Description
Recombinant Cynomolgus TROP-2/TACSTD2 Protein is expressed from Expi293 with His tag at the C-terminal.; It contains His27-Thr274.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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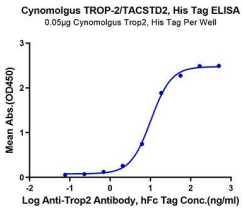
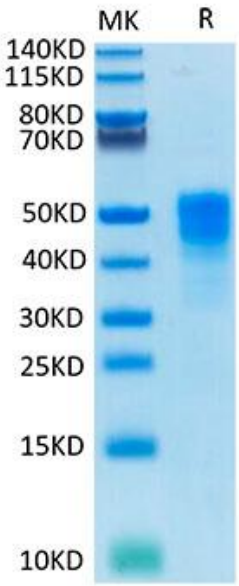
Please visit http://abclonal.com for a complete listing of recommended products.

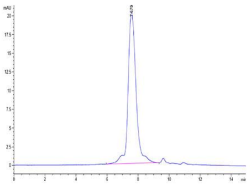
Validation Data



Immobilized Cynomolgus TROP-2 at 0.5μg/ml (100μl/Well). Dose response curve for Anti-TROP-2 Antibody, hFc Tag with the EC_{50} of 10.2ng/ml determined by ELISA.



Recombinant Cynomolgus TROP-2/TACSTD2 Protein was determined by Tris-Bis PAGE under reducing conditions.



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

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