

Cynomolgus TNFR2/CD120b/TNFR1B Protein

Cat. No. TNF-CM1R2

Description

Source	Recombinant Cynomolgus TNFR2/CD120b/TNFR1B Protein is expressed from Expi293 with His tag at the C-terminal. It contains Leu23-Asp257.
Accession	A0A2K5VEV7
Molecular Weight	The protein has a predicted MW of 26.1 kDa. Due to glycosylation, the protein migrates to 49-60 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

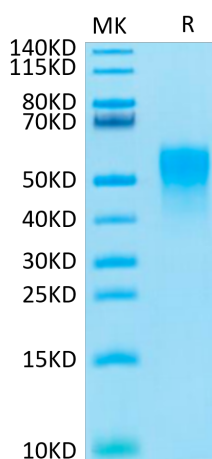
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled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

Tumor Necrosis Factor Receptor II (TNF RII), also known as TNFRSF1B, p75/p80, and CD120b, is a type I transmembrane protein that belongs to the TNF receptor superfamily. It has a molecular weight of approximately 75 kDa. Receptor with high affinity for TNFSF2/TNF- α and approximately 5-fold lower affinity for homotrimeric TNFSF1/lymphotoxin- α . The TRAF1/TRAF2 complex recruits the apoptotic suppressors BIRC2 and BIRC3 to TNFRSF1B/TNFR2. This receptor mediates most of the metabolic effects of TNF- α . Isoform 2 blocks TNF- α -induced apoptosis, which suggests that it regulates TNF- α function by antagonizing its biological activity.

Assay Data

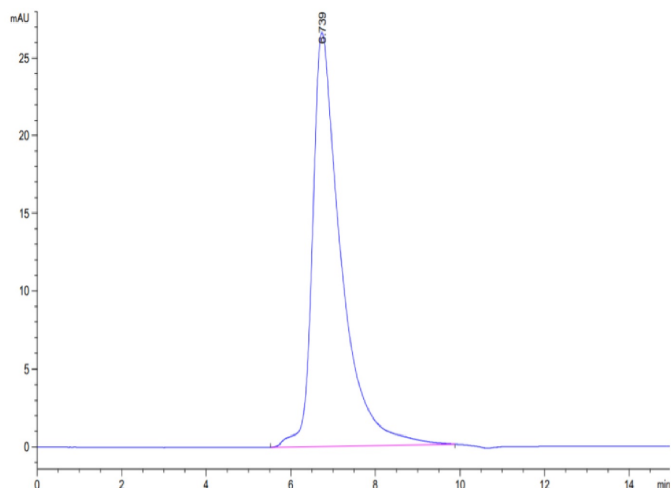
Tris-Bis PAGE



Cynomolgus TNFR2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

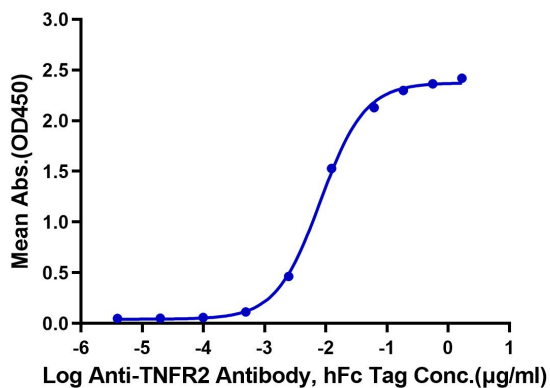
Assay Data



The purity of Cynomolgus TNFR2 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Cynomolgus TNFR2, His Tag ELISA
0.05µg Cynomolgus TNFR2, His Tag Per Well



Immobilized Cynomolgus TNFR2, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-TNFR2 Antibody, hFc Tag with the EC50 of 8.2ng/ml determined by ELISA.