

Human TNFR2/CD120b/TNFRSF1B Protein

Cat. No. TNF-HM1R2

Description

| | |
|-------------------------|---|
| Source | Recombinant Human TNFR2/CD120b/TNFRSF1B Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Leu23-Asp257. |
| Accession | P20333-1 |
| Molecular Weight | The protein has a predicted MW of 26.2 kDa. Due to glycosylation, the protein migrates to 48-60 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

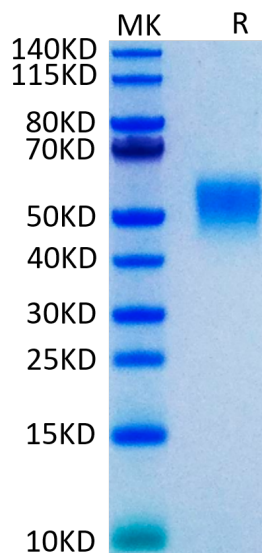
| | |
|-----------------------|---|
| Formulation | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| Reconstitution | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended.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

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

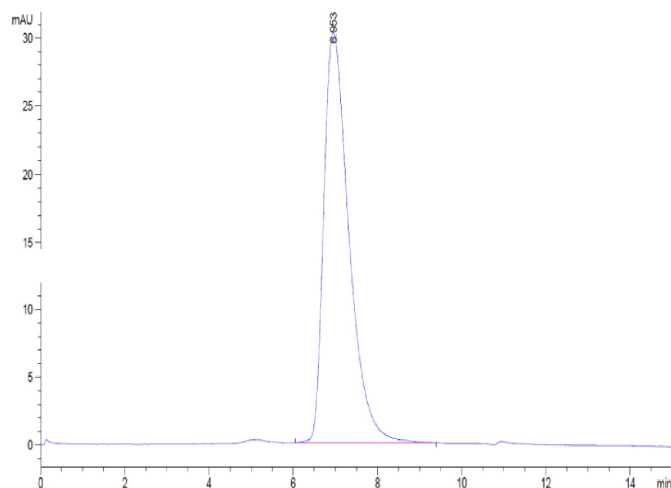
Bis-Tris PAGE



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

SEC-HPLC

Assay Data

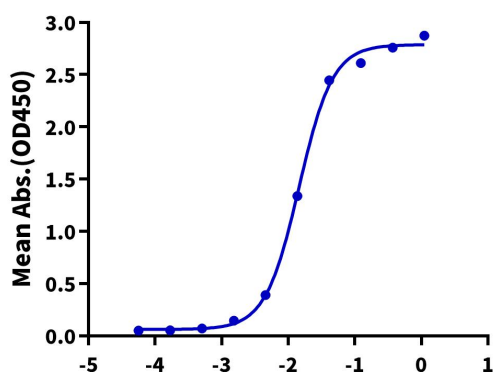


The purity of Human TNFR2 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human TNFR2, His Tag ELISA

0.5µg Human TNFR2, His Tag Per Well



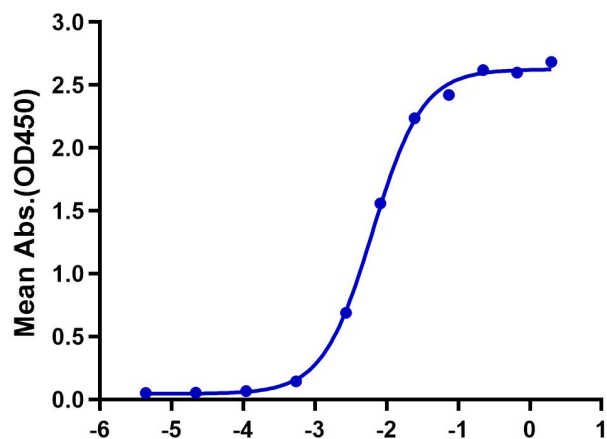
Immobilized Human TNFR2, His Tag at 5µg/ml (100µl/Well). Dose response curve for Biotinylated Human TNF alpha, His Tag with the EC50 of 14.6ng/ml determined by ELISA (QC Test).

Log Biotinylated Human TNF alpha, His Tag Conc.(µg/ml)

ELISA Data

Human TNFR2, His Tag ELISA

0.05µg Human TNFR2, His Tag Per Well



Immobilized Human TNFR2, His Tag at 0.5µg/ml (100µl/Well). Dose response curve for Anti-TNFR2 Antibody, hFc Tag with the EC50 of 6.4ng/ml determined by ELISA.

Log Anti-TNFR2 Antibody, hFc Tag Conc.(µg/ml)