

Human TNFR2/CD120b/TNFRSF1B Protein



Cat. No. TNF-HM2R2

Description	
Source	Recombinant Human TNFR2/CD120b/TNFRSF1B Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Leu23-Asp257.
Accession	P20333-1
Molecular Weight	The protein has a predicted MW of 51.89 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU 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 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
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-alpha and approximately 5-fold lower affinity for homotrimeric TNFSF1/lymphotoxin-alpha. The TRAF1/TRAF2 complex recruits the apoptotic suppressors BIRC2 and BIRC3 to TNFRSF1B/TNFR2. This receptor mediates most of the metabolic effects of TNF-alpha. Isoform 2 blocks TNF-alpha-induced apoptosis, which suggests that it regulates TNF-alpha function by antagonizing its biological activity.	

Assay Data

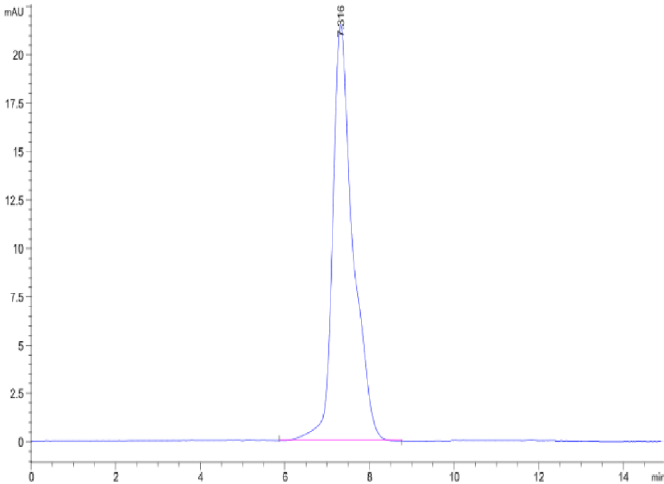
Bis-Tris PAGE



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

SEC-HPLC

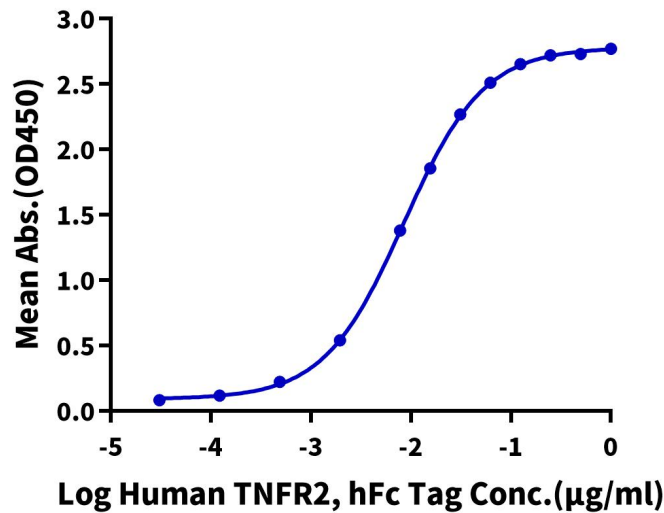
Assay Data



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

ELISA Data

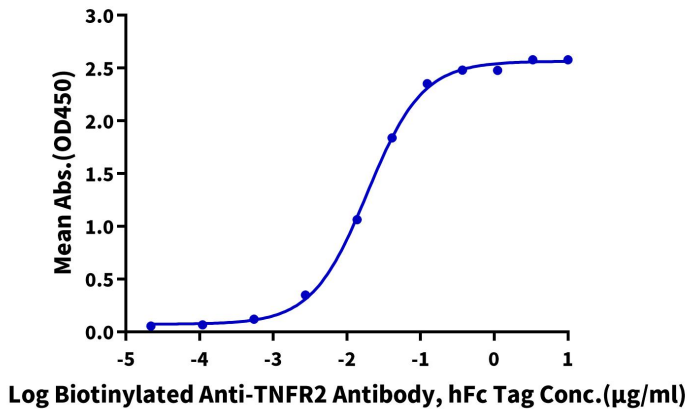
Human TNFR2, hFc Tag ELISA
0.1µg Human TNF alpha, His Tag Per Well



Immobilized Human TNF alpha, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Human TNFR2, hFc Tag with the EC50 of 8.5ng/ml determined by ELISA (QC Test).

ELISA Data

Human TNFR2, hFc Tag ELISA
0.05µg Human TNFR2, hFc Tag Per Well



Immobilized Human TNFR2, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-TNFR2 Antibody, hFc Tag with the EC50 of 19ng/ml determined by ELISA.