

RP00366

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Recombinant Human TNFRSF1B/TNF-R2/CD120b Protein

Catalog No.: RP00366

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	7133	P20333

Tags

C-mFc

Synonyms

CD120b; Etanercept; p75TBPII;
p75TNFR; TNF RII; TNF-R2; TNF-R75;
TNFR80; TNFRSF1B; TNFR2; TBPII;
TNFBR; TNFR1B

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE ; > 95% by HPLC

Endotoxin

< 1 EU/μg of the protein by LAL method

Formulation

Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution

Centrifuge the vial 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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-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.

Basic Information

Description

Recombinant Human TNFRSF1B/TNF-R2/CD120b Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Leu23-Asp257) of Human TNFR2/CD120b/TNFRSF1B (Accession #P20333) fused with a C-mFc tag at the C-terminus.

Bio-Activity

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

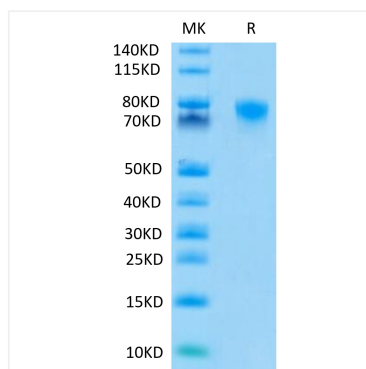
Contact



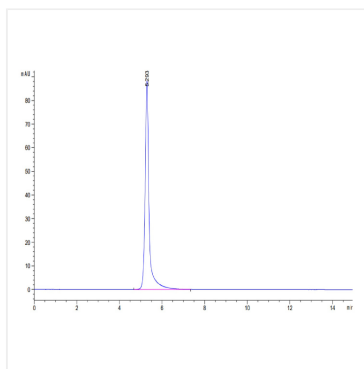
www.abclonal.com

* For your safety and health, please wear a lab coat and disposable gloves when handling.

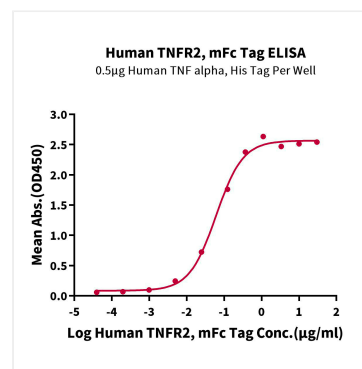
Validation Data



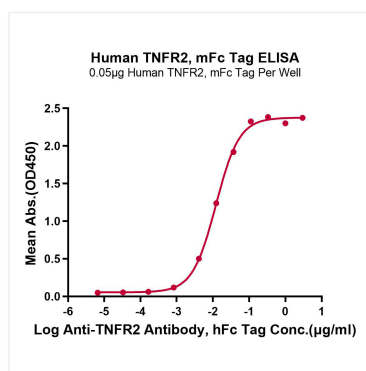
Human TNFR2 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95%.



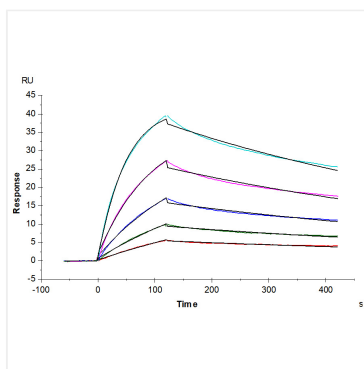
The purity of Human TNFR2 is greater than 95% as determined by SEC-HPLC.



Immobilized Human TNF alpha, His Tag at 5 µg/mL (100 µL/well) on the plate. Dose response curve for Human TNFR2, mFc Tag with the EC_{50} of 61.0ng/mL determined by ELISA.



Immobilized Human TNFR2, mFc Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-TNFR2 Antibody, hFc Tag with the EC_{50} of 12.1ng/mL determined by ELISA (QC Test).



Human TNF alpha, His Tag captured on CM5 Chip via anti-his antibody can bind Human TNFR2, mFc Tag with an affinity constant of 1.62 nM as determined in SPR assay (Biacore T200).