Recombinant Human TNFRSF1B/TNF-R2/CD120b Protein

Catalog No.: RP00366

Sequence Information

Species
Human

Gene ID
7133

Swiss Prot
P20333

Tags
C-mFc

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

Product Information

Source
HEK293 cells

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

Calculated MW
51.5 kDa

Observed MW
70-80 kDa

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 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

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.

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℃

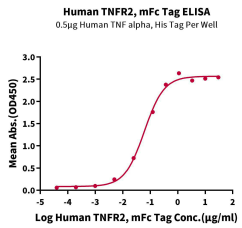
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

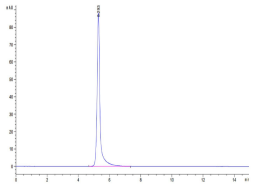
400-999-6126
cn.market@abclonal.com.cn
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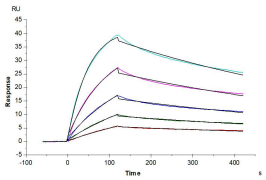
Validation Data



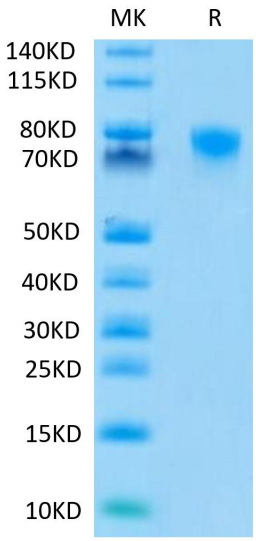
Immobilized Human TNF alpha, His Tag at 5 μg/mL (100 μL/well) on the plate. Dose response curve for Human TNFR2, mFc Tag with the EC_{50} of 61.0ng/mL determined by ELISA.



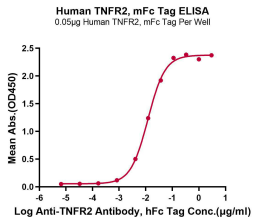
The purity of Human TNFR2 is greater than 95% as determined by SEC-HPLC.



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).



Recombinant Human TNFRSF1B/TNF-R2/CD120b Protein was determined by Tris-Bis PAGE under reducing conditions.



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).