Biotinylated Recombinant Human TNFRSF1B/TNF-R2/CD120b Protein (Primary Amine Labeling)

Catalog No.: RP00364B

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Sequence Information

Species
Human

Gene ID
7133

Swiss Prot
P20333-1

Tags
C-His

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
26.2 kDa

Observed MW
40-60 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. Isoform 2 blocks TNF-alpha-induced apoptosis, which suggests that it regulates TNF-alpha function by antagonizing its biological activity.

Basic Information

Description
Biotinylated Recombinant Human TNFRSF1B/TNF-R2/CD120b Protein (Primary Amine Labeling) is produced by HEK293 cells expression system. The target protein is expressed with sequence (Leu23-Asp257) of Human TNFR2/CD120b/TNFRSF1B (Primary Amine Labeling) (Accession #P20333-1) fused with a C-His 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℃

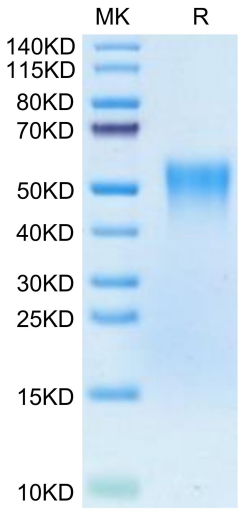
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

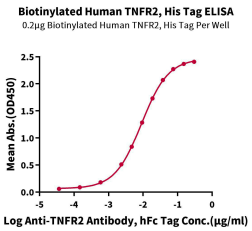
400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

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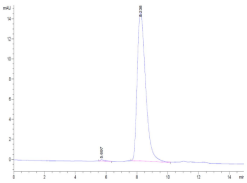
Validation Data



Biotinylated Recombinant Human TNFRSF1B/TNF-R2/CD120b Protein (Primary Amine Labeling) was determined by Tris-Bis PAGE under reducing conditions.



Immobilized Biotinylated Human TNFR2, His Tag at 2 μg/mL (100 μL/well) on the streptavidin precoated plate (5 μg/mL). Dose response curve for Anti-TNFR2 Antibody, hFc Tag with the EC_{50} of 9.0ng/mL determined by ELISA.



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

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