Recombinant Human TNF-beta Protein

Catalog No.: RP01977

Sequence Information

Species
Human

Gene ID
4049

Swiss Prot
P01374

Tags
C-6His

Synonyms
LTA, TNFB, TNFSF1,Lymphotoxin-alpha, LT-alpha, TNF-beta, Tumor necrosis factor ligand superfamily member 1

Product Information

Source
CHO Cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
19.48 KDa

Observed MW
20-25 kDa

Endotoxin
< 0.01 EU/μg of the protein by LAL method

Formulation
Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.

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 β (TNF- β) is a secreted protein belonging to the tumor necrosis factor family. TNF- βbinds to TNFRSF1A/TNFR1, TNFRSF1B /TNFBR and TNFRSF14/HVEM in homotrimeric form, binds toTNFRSF3/LTBR in heterotrimeric form with LTB. TNF- β forms heterotrimers with lymphotoxin-beta, whichanchors TNF- β to the cell surface. TNF- β mediates the inflammatory, immunostimulatory, and antiviralresponse, involves in the formation of second lymphoid organs during development, has a role in apoptosis.TNF-β is produced by lymphocytes and cytotoxic for a variety of tumor cells in vitro and in vivo.

Basic Information

Description
Recombinant Human TNF-beta Protein is produced by CHO Cells expression system. The target protein is expressed with sequence (Leu35-Leu205) of Human TNF-beta(Accession #NP_000586.2) fused with His 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℃

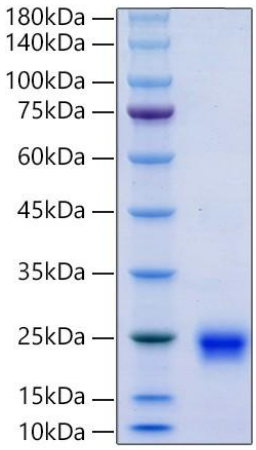
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Recombinant Human TNF-beta Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.