

32-1792: TNF b Recombinant Protein

Alternative Name : Lymphotoxin-alpha,LT-alpha,TNF-beta,Tumor necrosis factor ligand superfamily member 1,LTA,LT,TNFB,TNFSF1.

Description

Source : Escherichia Coli. Tumor Necrosis Factor-b Human Recombinant (Lymphotoxin) produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 172 amino acids and having a molecular mass of 18645 Dalton. The TNF-b is purified by standard chromatographic techniques. Lymphotoxin alpha, a member of the tumor necrosis factor family, is a cytokine produced by lymphocytes. LTA is highly inducible, secreted, and exists as homotrimeric molecule. LTA forms heterotrimers with lymphotoxin-beta which anchors lymphotoxin-alpha to the cell surface. LTA mediates a large variety of inflammatory, immunostimulatory, and antiviral responses. LTA is also involved in the formation of secondary lymphoid organs during development and plays a role in apoptosis.

Product Info

Amount : 20 µg
Purification : Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAG.
Content : Lyophilized protein with no additives.
Storage condition : Lyophilized Tumor Necrosis Factor-b although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TNF-b should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
Amino Acid : MLPGVGLTPS AAQTARQHPK MHLAHSTLKP AAHLIGDPSK QNSLLWRANT DRAFLQDGFS
 LSNNLLVPT SGIYFVYSQV VFSGKAYSPK ATSSPLYLAH EVQLFSSQYP FHVPLLSSQK
 MVYPGLQEPW LHSMYHGA AF QLTQGDQLST HTDGIPHLVL SPSTVFFGAF AL.

Application Note

It is recommended to reconstitute the lyophilized Tumor Necrosis Factor-beta in sterile 18MÎ©-cm H2O not less than 100Âµg/ml, which can then be further diluted to other aqueous solutions. The ED50 as determined by the cytolysis of murine L929 cells in the presence of Actinomycin D is < 0.05ng/ml, corresponding to a Specific Activity of 20,000,000IU/mg.

