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32-6562: TNF B Human, Sf9

Application : Functional Assay

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

Description

Source: Sf9, Baculovirus cells.
Sterile filtered colorless solution.
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.
Tumor Necrosis Factor-beta Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 180 amino acids (35-205a.a.) and having a molecular mass of 19.7kDa (Molecular size on SDS-PAGE will appear at approximately 18-28kDa).TNFB is fused with a 6 amino acids His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	1 µg / 5 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	TNFB protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH7.4) and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	ADPLPGVGLT PSAAQTARQH PKMHLAHSTL KPAAHLIGDP SKQNSLLWRA NTDRAFLQDG FSLSNNSLLV PTSGIYFVYS QVVFSGKAYS PKATSSPLYL AHEVQLFSSQ YPFHVPLLSS QKMVYPGLQE PWLHSMYHGA AFQLTQGDQL STHTDGIPHL VLSPSTVFFG AFALHHHHHH.

Application Note

Measured in a cytotoxicity assay using L-929 mouse fibrosarcoma cells in the presence of the metabolic inhibitor actinomycin D. The ED50 for this effect is <= 1ng/ml.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.