Recombinant Human LTA

Cat No:HR2R1679

For research use only

Overview

Quantity	100 ?g
Gene Symbol	LTA
Gene ID	4049
Accession	P01374
Alternative Name	Tumor necrosis factor ligand superfamily member 1, TNFSF1, Lymphotoxin-alpha, LT-alpha, LTA Recombinant Human Tumor Necrosis Factor Beta (LTA)
Species	Human
Source	E. coli
Description	TNF-beta is a potent mediator of inflammatory and immune responses. It belongs to the TNF family of ligands and signals through TNFR1 and TNFR2. TNF-beta is produced by activated T and B lymphocytes, and has similar activities to TNF-alpha. Like TNF-alpha, TNF-beta is involved in the regulation of various biological processes including cell proliferation, differentiation, apoptosis, lipid metabolism, coagulation, and neurotransmission. TNF-beta is secreted as a soluble polypeptide, but can form heterotrimers with lymphotoxin-beta, which effectively anchors the TNF-beta to the cell surface. TNF-beta is cytotoxic to a wide range of tumor cells.
Functions	The ED(50) was measured in a cytotoxicity assay using mouse L929 cells in the presence of the metabolic inhibitor actinomycin, and was determined to be less than 0.1 ng/mL.
Formulation	TNF-beta is presented as a 0.2 ?m filtered PBS solution pH 7.5.
Solubility	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Appearance	Lyophilized Powder
Molecular Weight	19
Purity	>95% as determined by SDS-PAGE
Concentration	
Shipping Condition	Ambient Temperature
Storage Condition	