

LTA active protein

Recombinant Human LTA

CATALOG #
AAA214254

HOST
E Coli

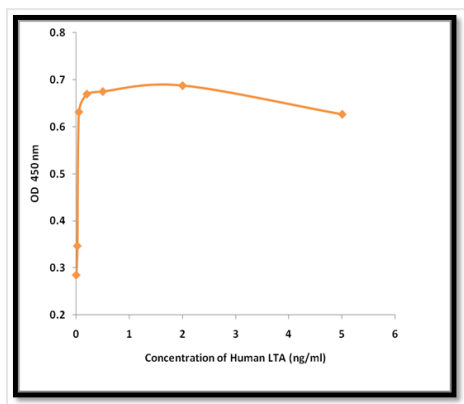
PRODUCT SYNONYMS

LTA; Recombinant Human LTA; Tumor necrosis factor ligand superfamily member 1; TNFSF1; Lymphotoxin-alpha; LT-alpha; Recombinant Human Tumor Necrosis Factor Beta (LTA); LTA active protein

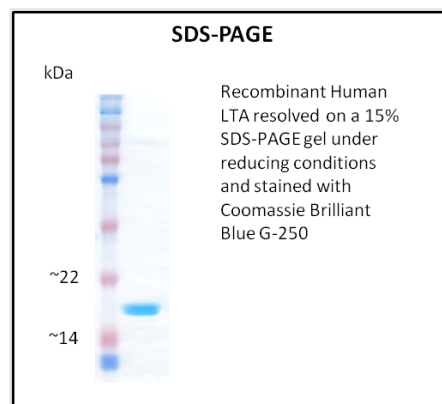
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized Powder; 0.2 um filtered PBS solution pH 7.5.
Sequence Length	66
Bioactivity	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.
Endotoxin Level	<1.0 EU/ug of recombinant protein as determined by the LAL method.
Reconstitution	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.
Preparation and Storage	The lyophilized protein is stable for at least one year from date of receipt at -70 degree C. Upon reconstitution, this cytokine can be stored in working aliquots at 2-8 degree C for one month, or at -20 degree C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for LTA active protein	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31880318
NCBI GeneID	4049
UniProt Accession #	P01374
Molecular Weight	19.0 kDa
NCBI Official Full Name	lymphotoxin alpha, partial
NCBI Official Synonym Full Names	lymphotoxin alpha
NCBI Official Symbol	LTA
NCBI Official Synonym Symbols	LT; TNFB; TNFSF1; TNLG1E
NCBI Protein Information	lymphotoxin-alpha
UniProt Protein Name	Lymphotoxin-alpha
UniProt Gene Name	LTA
UniProt Synonym Gene Names	TNFB; TNFSF1; LT-alpha
UniProt Entry Name	TNFB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/lta/214254>