

Lymphotoxin-alpha (LTA) Active Protein | LTA active protein

Recombinant Human Lymphotoxin-alpha (LTA)(Active)

CATALOG #
AAA279218

HOST
Mammalian cell

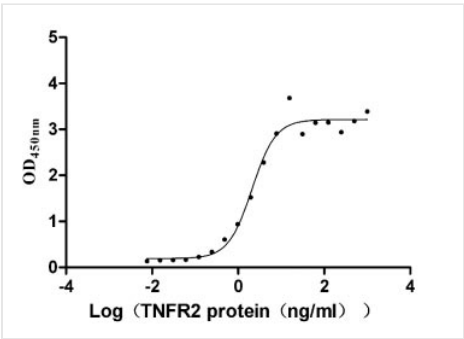
PRODUCT SYNONYMS

Lymphotoxin-alpha (LTA); Recombinant Human Lymphotoxin-alpha (LTA)(Active); LTA active protein

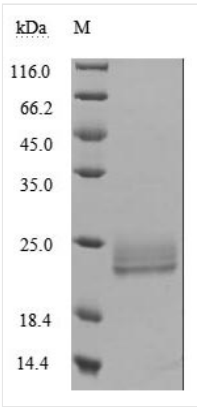
PRODUCT SPECIFICATIONS

Host	Mammalian cell
Purity/Purification	Greater than 95% as determined by SDS-PAGE.
Form/Format	Lyophilized powder Lyophilized from a 0.2 um filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
Sequence Positions	35-205aa; Full Length of Mature Protein
Sequence	LPGVGLTPSA AQTARQHPKM HLAHSTLKPA AHLIGDPSKQ NSLLWRANTD RAFLQDGFSL SNNSLLVPTS GIYFVYSQVV FSGKAYSPKA TSSPLYLAHE VQLFSSQYPF HVPLLSSQKM VYPGLQEPWL HSMYHGAAFG LTQGDQLSTH TDGIPHLVLS PSTVFFGAFA L\$
Species	Homo sapiens (Human)
Tag	N-terminal 6xHis-tagged
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Research Area	Cytokine
Biological Activity	1. Measured by its binding ability in a functional ELISA. Immobilized LTA at 5 ug/ml can bind human TNFRSF1B, the EC50 is 1.632-2.699 ng/ml. 2. Measured by its binding ability in a functional ELISA. Immobilized LTA at 5 ug/ml can bind human TNFR1, the EC50 of human LTA protein is 4.409-6.797 ng/ml.
Preparation and Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

IMAGES



Bioactivity
Measured by its binding ability in a functional ELISA. Immobilized LTA at 5 ?g/ml can bind human TNFRSF1B, the EC50 is 1.632-2.699 ng/ml.



SDS-PAGE
Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

ADDITIONAL INFORMATION

Product Categories/Family for LTA active protein	Active Protein & In Stock Protein
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31880318
NCBI GeneID	4049
UniProt Accession #	P01374; Q8N4C3; Q9UKS8
Molecular Weight	22,297 Da
NCBI Official Full Name	lymphotoxin alpha
NCBI Official Synonym Full Names	lymphotoxin alpha
NCBI Official Symbol	LTA
NCBI Official Synonym Symbols	LT; TNFB; TNFSF1
NCBI Protein Information	lymphotoxin-alpha; LT-alpha; TNF-beta; TNF superfamily, member 1; tumor necrosis factor beta; tumor necrosis factor ligand superfamily member 1
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.

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Online datasheet: <https://www.aaabiotech.com/mammalian-active-protein/lymphotoxin-alpha-lta/279218>