

Human Lymphotoxin Beta (LTb) ELISA Kit | LTb elisa kit

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CATALOG #
AAA63673

REACTIVITY
Human

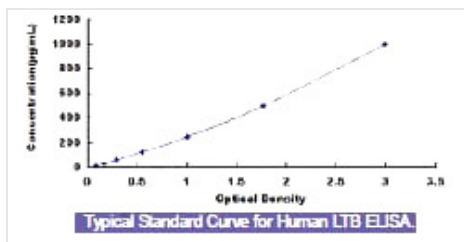
PRODUCT SYNONYMS

Lymphotoxin Beta (LTb); Human Lymphotoxin Beta (LTb) ELISA Kit; LT-B; p33; TNFC; TNF-C; TNFSF3; Tumor necrosis factor ligand superfamily member 3; Tumor Necrosis Factor C; LTb elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of LTB. No significant cross-reactivity or interference between LTB and analogues was observed.
Sequence Length	244
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	15.625-1000pg/mL
Sensitivity	5.7pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level LTB were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level LTB were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LTb elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of LTB in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to LTB. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to LTB. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain LTB, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of LTB in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505035
NCBI GeneID	4050
NCBI Accession #	NP_002332.1
NCBI GenBank Nucleotide #	NM_002341.1
UniProt Accession #	Q06643; P78370; Q52LU8; Q99761
Molecular Weight	7,780 Da
NCBI Official Full Name	lymphotoxin-beta isoform a
NCBI Official Synonym Full Names	lymphotoxin beta
NCBI Official Symbol	LTB
NCBI Official Synonym Symbols	p33; TNFC; TNFSF3; TNLG1C
NCBI Protein Information	lymphotoxin-beta
UniProt Protein Name	Lymphotoxin-beta
UniProt Gene Name	LTB
UniProt Synonym Gene Names	TNFC; TNFSF3; LT-beta; TNF-C

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://stage.aaabiotech.com/human-elisa-kits/lymphotoxin-beta-ltb/63673>