

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

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CATALOG #
AAA139539

REACTIVITY
Rat

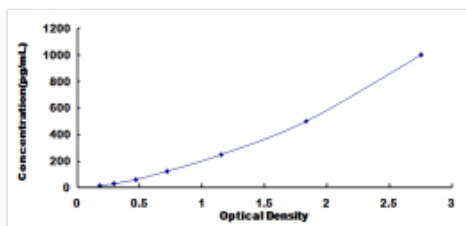
PRODUCT SYNONYMS

Lymphotoxin Beta (LTb); Rat 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	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Lymphotoxin Beta (LTb). No significant cross-reactivity or interference between Lymphotoxin Beta (LTb) and analogues was observed.
Sequence Length	77
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	5.9pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Lymphotoxin Beta (LTb) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Lymphotoxin Beta (LTb) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LTb elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Lymphotoxin Beta (LTb). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Lymphotoxin Beta (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 Lymphotoxin Beta (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 Lymphotoxin Beta (LTb) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for LTb elisa kit	Cytokine; Tumor immunity; Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	4337113
NCBI GeneID	4050
UniProt Accession #	Q06643; P78370; Q52LU8; Q99761
Molecular Weight	7,780 Da
NCBI Official Full Name	lymphotoxin beta
NCBI Official Synonym Full Names	lymphotoxin beta (TNF superfamily, member 3)
NCBI Official Symbol	LTB
NCBI Official Synonym Symbols	p33; TNFC; TNFSF3
NCBI Protein Information	lymphotoxin-beta
UniProt Protein Name	Lymphotoxin-beta
UniProt Gene Name	LTB
UniProt Synonym Gene Names	TNFC; TNFSF3; LT-beta; TNF-C
UniProt Entry Name	TNFC_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://stage.aaabiotech.com/rat-elisa-kits/lymphotoxin-beta-ltb/139539>