Lymphotoxin Beta (LTB) ELISA Kit for Goose

PRODUCT OVERVIEW

Product Name	Lymphotoxin beta (LTB), ELISA Kit
Full Product Name	Goose Lymphotoxin beta ELISA Kit
Product Gene Name	LTB elisa kit
Species Reactivity	Goose
Assay Type	Sandwich
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	25,390 Da
Chromosome Location	Chromosome: 6; NC_000006.11 (31548335..31550202, complement). Location: 6p21.3
OMIM	600978
3D Structure	ModBase 3D Structure for Q06643
Related Product Information for LTB elisa kit	MBS011136 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Lymphotoxin beta (LTB) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing LTB. The ELISA analytical biochemical technique of the MBS011136 kit is based on LTB antibody-LTB antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect LTB antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, LTB. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of LTB elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LTB. It may not necessarily be applicable to this product.

NCBI GI #	4337113
NCBI GeneID	4050
NCBI Accession #	AAD18089.1
UniProt Primary Accession #	Q06643
UniProt Secondary Accession #	P78370; Q52LU8; Q99761
UniProt Related Accession #	Q06643
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
UniProt Protein Name	Lymphotoxin-beta
UniProt Synonym Protein Names	Tumor necrosis factor C; TNF-C; Tumor necrosis factor ligand superfamily member 3

Protein Family	Lymphotoxin
UniProt Gene Name	LTB
UniProt Synonym Gene Names	TNFC; TNFSF3; LT-beta; TNF-C
UniProt Entry Name	TNFC_HUMAN
NCBI Protein Information	lymphotoxin-beta; TNF-C; LT-beta; tumor necrosis factor C; tumor necrosis factor ligand superfamily member 3
NCBI Summary for LTB	Lymphotoxin beta is a type II membrane protein of the TNF family. It anchors lymphotoxin-alpha to the cell surface through heterotrimer formation. The predominant form on the lymphocyte surface is the lymphotoxin-alpha 1/beta 2 complex (e.g. 1 molecule alpha/2 molecules beta) and this complex is the primary ligand for the lymphotoxin-beta receptor. The minor complex is lymphotoxin-alpha 2/beta 1. LTB is an inducer of the inflammatory response system and involved in normal development of lymphoid tissue. Lymphotoxin-beta isoform b is unable to complex with lymphotoxin-alpha suggesting a function for lymphotoxin-beta which is independent of lympyhotoxin-alpha. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]
UniProt Comments for LTB	LTB: Cytokine that binds to LTBR/TNFRSF3. May play a specific role in immune response regulation. Provides the membrane anchor for the attachment of the heterotrimeric complex to the cell surface. Isoform 2 is probably non-functional. Belongs to the tumor necrosis factor family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 6p21.3 Cellular Component: extracellular space; integral to membrane Molecular Function: cytokine activity; tumor necrosis factor receptor binding; receptor binding Biological Process: skin development; positive regulation of interleukin-12 biosynthetic process; cell-cell signaling; gene expression; immune response; signal transduction; lymph node development
Research Articles on LTB	**1.** TNF is able to upregulate LT-beta expression in hepatic cells at the transcriptional level by the binding of NF-kappaB p50/p65 heterodimers and Ets1 to their respective sites in the LT-beta promoter.
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