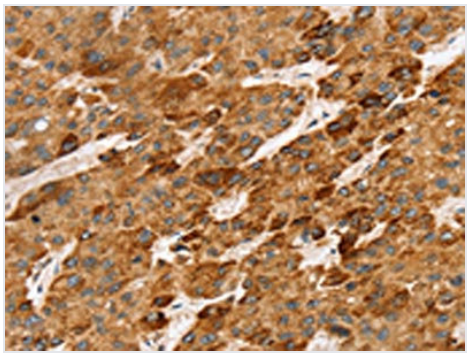
LTB Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	LTB, Polyclonal Antibody
Full Product Name	LTB Antibody
Product Gene Name	anti-LTB antibody
Product Synonym Names	lymphotoxin beta (TNF superfamily; member 3)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid; In Phosphate Buffered Saline, pH 7.4, 0.05% NaN3, and 40% Glycerol
Purity/Purification	Antigen Affinity Purification
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
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
Immunogen	Synthetic peptide of human LTB
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-LTB antibody	Immunology
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-LTB antibody	ELISA (EIA), Immunohistochemistry (IHC)
Application Notes for anti-LTB antibody	ELISA: 1:2000-1:10000 IHC: 1:30-1:150
Related Product Information for anti-LTB antibody	MBS7130004 is an antibody targeting LTB. Also known as LTB Antibody. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-LTB antibody 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.



Immunohistochemistry (IHC)-Paraffin of anti-LTB antibody
The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using MBS7130004(LTB Antibody) at dilution 1/45, on the right is treated with synthetic peptide. (Original magnification: ×200)

ADDITIONAL DETAILS

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

NCBI GI #	4505035
NCBI GeneID	4050
NCBI Accession #	NP_002332.1
UniProt Primary Accession #	Q06643
UniProt Secondary Accession #	P78370; Q52LU8; Q99761
UniProt Related Accession #	Q06643
GenBank Nucleotide #	NM_002341.1
NCBI Official Full Name	lymphotoxin-beta isoform a
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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