

Mouse Anti-LTBR Monoclonal Antibody

Cat. No. DMABT-H19157 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse Anti-LTBR Monoclonal Antibody
Species	Human
Source	Mouse
Antigen Description	LT-betaR, also known as lymphotoxin beta receptor and tumor necrosis factor receptor superfamily member 4 is a 47 kD transmembrane protein containing 4 TNF receptor domains. The LT-betaR is a receptor for the heterotrimeric lymphotoxin complex (composed of LTalpha and LTbeta as well as LIGHT). LT-betaR is highly expressed in the lung, liver, and kidney and moderately expressed in the heart and testes. LT-betaR is weakly expressed in the brain, thymus, spleen, and lymph nodes. The cytoplasmic tail of LT-betaR interacts with TRAF3, TRAF4, and TRAF5 as well as the hepatitis C virus core protein. Ligand binding to LT-betaR has been shown to induce apoptosis (via TRAF3 and TRAF5) and play a role in the development of lymphoid organs.
Target	LTBR
Immunogen	Human LT-beta R Fc protein
Isotype	IgG2b, kappa
species	Human

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Clone	42H5E9
Conjugation	N/A
Applications	Flow Cyt, WB, IP
Preparation	The LEAF (Low Endotoxin, Azide-Free) antibody was Purified by affinity chromatography.
Usage recommendation	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤ 2.0 μ g per million cells in 100 μ l volume. It is recommended that the reagent be titrated for optimal performance for each application.
Concentration	1.0 mg/ml
Storage	The antibody solution should be stored undiluted at 4 °C. This LEAF solution contains no preservative; handle under aseptic conditions.
Size	500 μ g

GENE INFORMATION

Gene Name	LTBR lymphotoxin beta receptor (TNFR superfamily, member 3) [Homo sapiens]
Official Symbol	LTBR
Synonyms	LTBR; lymphotoxin beta receptor (TNFR superfamily, member 3); D12S370; tumor necrosis factor receptor superfamily member 3; TNF R III; TNFCR; TNFR RP; TNFR2 RP; TNFRSF3; TNF-RIII; TNFR-III; lymphotoxin B receptor; lymphotoxin-beta receptor; TNFR superfamily, member 3; tumor necrosis factor C receptor; tumor

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	necrosis factor receptor type III; tumor necrosis factor receptor 2-related protein; tumor necrosis factor receptor superfamily, member 3; CD18; TNFR-RP; TNFR2-RP; LT-BETA-R; TNF-R-III;
Gene ID	4055
mRNA Refseq	NM_002342
Protein Refseq	NP_002333
MIM	600979
UniProt ID	P36941
Chromosome Location	12p13
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem; Intestinal immune network for IgA production, organism-specific biosystem; Intestinal immune network for IgA production, conserved biosystem;
Function	identical protein binding; protein binding; receptor activity;