

# Mouse Anti-LTBR Monoclonal Antibody

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

## SPECIFICATION

<b>Product Overview</b>	Mouse Anti-LTBR Monoclonal Antibody
<b>Species</b>	Human
<b>Source</b>	Mouse
<b>Antigen Description</b>	<p>LT-betaR, also known as lymphotoxin beta receptor and tumor necrosis factor receptor superfamily member4 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.</p>
<b>Target</b>	LTBR
<b>Immunogen</b>	Human LT-beta R Fc protein
<b>Isotype</b>	IgG2b, kappa
<b>species</b>	Human

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<b>Clone</b>	42H5E9
<b>Conjugation</b>	N/A
<b>Applications</b>	Flow Cyt, WB, IP
<b>Preparation</b>	The LEAF (Low Endotoxin, Azide-Free) antibody was Purified by affinity chromatography.
<b>Usage recommendation</b>	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 $\leq 2.0$ $\mu\text{g}$ per million cells in 100 $\mu\text{l}$ volume. It is recommended that the reagent be titrated for optimal performance for each application.
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	The antibody solution should be stored undiluted at 4 °C. This LEAF solution contains no preservative; handle under aseptic conditions.
<b>Size</b>	500 $\mu\text{g}$

## GENE INFORMATION

<b>Gene Name</b>	LTBR lymphotoxin beta receptor (TNFR superfamily, member 3) [ Homo sapiens ]
<b>Official Symbol</b>	LTBR
<b>Synonyms</b>	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;

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