

Mouse Anti-LTA Monoclonal Antibody

Cat. No. DMABT-H19264 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse Anti-LTA Monoclonal Antibody
Species	Human
Source	Mouse
Antigen Description	Tumor necrosis factor-beta (TNF-beta), also known as lymphotoxin-alpha (LT-alpha) is a potent lymphoid factor that exerts cytotoxic effects on a wide range of tumor cells and certain other target cells. TNF-beta possesses a signal peptide sequence and is a secreted protein; however, TNF-beta is also present on the surface of activated T, B and LAK cells as a complex with LT-beta. Bioactive TNF-beta exists as a homotrimer.
Target	LTA
Immunogen	E.coli expressed, recombinant human TNF-beta
Isotype	IgG1, kappa
species	Human
Clone	460-92-22
Conjugation	Biotin
Applications	ELISA,ELISPOT

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Preparation	The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.
Usage recommendation	Each lot of this antibody is quality control tested by ELISA assay. For ELISA detection applications, a concentration range of 0.25-1.0 µg/ml is recommended. For immunofluorescent staining, the suggested use of this reagent is ≤0.25 µg per 106cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.
Concentration	0.5 mg/ml
Storage	The antibody solution should be stored undiluted at 4 °C. Do not freeze.
Size	500 µg

GENE INFORMATION

Gene Name	LTA lymphotoxin alpha (TNF superfamily, member 1) [Homo sapiens]
Official Symbol	LTA
Synonyms	LTA; lymphotoxin alpha (TNF superfamily, member 1); TNFB; lymphotoxin-alpha; LT; TNFSF1; LT-alpha; TNF-beta; tumor necrosis factor beta; tumor necrosis factor ligand superfamily member 1;
Gene ID	4049
mRNA Refseq	NM_000595
Protein Refseq	NP_000586

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MIM	153440
UniProt ID	P01374
Chromosome Location	6p21.3
Pathway	Apoptosis, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem; Herpes simplex infection, organism-specific biosystem; Herpes simplex infection, conserved biosystem;
Function	cytokine activity; receptor binding; tumor necrosis factor receptor binding;

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