

Recombinant Anti-LTA Antibody (V3S-0622-YC3646)

Cat. No.: V3S-0622-YC3646

Summary

Description	This product is a human monoclonal antibody that reacts with LTA. The antibody is expressed with mammalian cell transient expression system, serum-free and purified by affinity chromatography. The purity and integrity are tested via SDS-PAGE and SEC-HPLC analysis. Given an antigen, additional QC measures are also desired such as affinity testing and binding validation. Specifically, the antibody is provided in multiple formats for in vivo and in vitro assays. The <i>In vivo</i> version features greater than 95% purity, ultra-low endotoxin levels (<1 EU/mg or 0.1 EU/mg), and is preservative, stabilizer, and carrier protein-free.
Clonality	Monoclonal
Host Species	Human
Target Species	Gram-positive bacteria (GPB)
Immunogen	Conjugates of <i>S. aureus</i> LTA
Isotype	IgG
Isotype Control	C34555
Secondary Antibody	C32400; C75370; C10513; C51635; C45530

Property

Expression Species	HEK293F or CHO
Conjugation	None
Purity	>95%, determined by SDS-PAGE and/or SEC-HPLC
Endotoxin	<1 EU/mg, determined by LAL method
Purification	Protein A affinity purified
Sterility	0.2 µM filtered
Formulation	PBS, pH 7.4
Preservation	No preservatives
Stabilizer	No stabilizers
Storage	Store at 4°C within a week. For longer storage, aliquot and store at -20°C.

For lab research use only, not for diagnostic, therapeutic or any *in vivo* human use.

Applications

Application ELISA

Application Notes The antibody is recommended for detection of LTA by ELISA assay.

Target

Target LTA

Alternative Name LT, TNFB, TNFSF1, TNLG1E

Gene ID [4049](#)

UniProt [P01374](#)

Introduction LTA (Lymphotoxin Alpha) is a Protein Coding gene. Diseases associated with LTA include Psoriatic Arthritis and Leprosy 4. Among its related pathways are TRAF Pathway and Cytokine Signaling in Immune system. Gene Ontology (GO) annotations related to this gene include signaling receptor binding and tumor necrosis factor receptor binding. An important paralog of this gene is TNF.

Related pathway TRAF Pathway; Cytokine Signaling in Immune system

Research Area Immunology

For lab research use only, not for diagnostic, therapeutic or any *in vivo* human use.