

Product Information

Size:

5µg

Applications:

Western Blot, Immunofluorescence, ELISA

Reactivity:

Human

Source:

Mouse

Isotype:

IgG2b

Purification Method:

LTA antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.

Protein Background:

Lymphotoxin-alpha (LT-alpha or LTA) belongs to the TNF ligand superfamily, which bind the same TNF receptor and mediate similar pleiotropic effect. LTA is a proinflammatory cytokine with important biological activity and immunomodulatory function and is known to influence a variety of cellular response. Furthermore, LTA mediates a large variety of inflammatory, immunostimulatory, and antiviral responses, is involved in the formation of secondary lymphoid organs during development and has a role in apoptosis. LTA is highly inducible, secreted, and forms heterotrimers with lymphotoxin-beta which anchors lymphotoxin-alpha to the cell surface. LTA, which is located within the MHC III region of chromosome 6, shows close relation to the HLA class I (HLA-B) and class II (HLA-DR) genes. Polymorphism in the LTA gene appears to contribute to infectious disease susceptibility and infection. Genetic variations in the LTA gene are linked to susceptibility to leprosy type 4 and psoriatic arthritis.

Synonyms:

Lymphotoxin-alpha, LT-alpha, TNF-beta, Tumor necrosis factor ligand superfamily member 1, LTA, TNFB, TNFSF1, LT.

Immunogen:

Anti-human LTA mAb, is derived from hybridization of mouse F myeloma cells with spleen cells from BALB/c mice immunized with recombinant human LTA amino acids 35-25 purified from Ecoli.

Storage:

For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.