

LTA

Reactivity:Human

Tested applications:WB IHC

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:200

Calculated MW:22kDa

Observed MW:Refer to Figures

Immunogen:

Recombinant protein of human LTA

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

b

Synonym:

LT; TNFB; TNFSF1;

Catalog #:A1552

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:4049

Isotype:IgG

Swiss Prot:P01374

Purity:Affinity purification

For research use only.

Background:

Lymphotoxin- (LT-), also known as TNF, is a member of the TNF superfamily of proteins (1). NK cells, T cells, B cells, and lymphoid tissue-inducer cells express LT- (1). LT- can be secreted as a soluble homotrimer or form membrane bound heterotrimers with lymphotoxin- (LT 12 or LT 21) which can be cleaved from the cell surface by matrix metalloproteases (1,2). Soluble LT- binds to and signals through TNFR1/TNFR2, activating the canonical NF-B pathway (1). In contrast, LT 12 heterodimers bind to the LTR receptor and activate the noncanonical NF-B pathway (1). As a result, LT- and TNF- have overlapping functions. Soluble LT- and LT 12 play key roles in lymphangiogenesis (3). The LT 12/LTR axis is essential for the development of lymphoid tissue (1,3).

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