

Anti-TNF Beta Antibody

Catalog # ABO10684

Product Information

Application	WB
Primary Accession	P01374
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Lymphotoxin-alpha(LTA) detection. Tested with WB in Human.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	4049
Other Names	Lymphotoxin-alpha, LT-alpha, TNF-beta, Tumor necrosis factor ligand superfamily member 1, LTA, TNFB, TNFSF1
Calculated MW	22297
Application Details	Western blot, 0.1-0.5 µg/ml, Human
Subcellular Localization	Secreted. Membrane. The homotrimer is secreted. The heterotrimer is membrane-associated.
Source	Eukaryota
Protein Name	Lymphotoxin-alpha(LT-alpha)
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human TNF beta(73-88aa KQNSLLWRANTDRAFL), different from the related mouse sequence by one amino acid.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Sequence Similarities

Belongs to the tumor necrosis factor family.

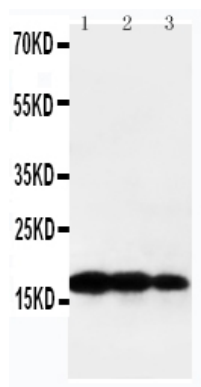
Protein Information

Name	LTA
Synonyms	TNFB, TNFSF1
Function	Cytokine that in its homotrimeric form binds to TNFRSF1A/TNFR1, TNFRSF1B/TNFR and TNFRSF14/HVEM (PubMed: 9462508). In its heterotrimeric form with LTB binds to TNFRSF3/LTBR (PubMed: 24248355). Lymphotoxin is produced by lymphocytes and is cytotoxic for a wide range of tumor cells in vitro and in vivo.
Cellular Location	Secreted. Membrane. Note=The homotrimer is secreted. The heterotrimer is membrane-associated

Background

Lymphotoxin(previously known as tumor necrosis factor-beta) is a lymphokine cytokine. It is a protein that is produced by Th1 type T-cells and induces vascular endothelial cells to change their surface adhesion molecules to allow phagocytic cells to bind to them. Lymphotoxin is homologous to Tumor Necrosis Factor beta, but secreted by T-cells. It is paracrine due to the small amounts produced. The effects are similar to TNF-alpha, but TNF-beta is also important for the development of lymphoid organs. Nedwin et al.(1985) found that TNFA and TNFB are closely linked on chromosome 6. Study of hybrid cells made with rearranged human chromosome 6 showed that both TNFA and TNFB map to the 6p23-q12 segment.

Images



Anti-TNF beta antibody, ABO10684, Western blotting
Lane 1: Recombinant Human TNF beta Protein 10ng
Lane 2: Recombinant Human TNF beta Protein 5ng
Lane 3: Recombinant Human TNF beta Protein 2.5ng

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.