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Anti-TNF Beta Antibody
Catalog # ABO10684

Specification

Anti-TNF Beta Antibody - 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.

Anti-TNF Beta Antibody - 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 MW KDa

Application Details
Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization
Secreted. Membrane. The homotrimer is secreted. The heterotrimer is membrane-associated.

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 r˚Constitution, 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.

Anti-TNF Beta Antibody - Protein Information

Name LTA

Synonyms TNFB, TNFSF1

Function
Cytokine that in its homotrimeric form binds to TNFRSF1A/TNFR1, TNFRSF1B/TNFBR 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

Anti-TNF Beta Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-TNF Beta Antibody - Images

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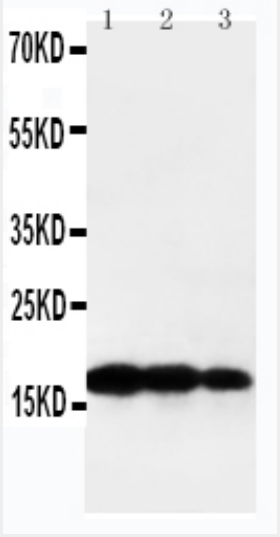

Anti-TNF beta antibody, ABO10684, Western blottingLane 1: Recombinant Human TNF beta Protein 10ngLane 2: Recombinant Human TNF beta Protein 5ngLane 3: Recombinant Human TNF beta Protein 2.5ng

Anti-TNF Beta Antibody - 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.