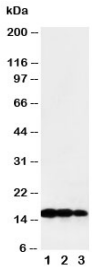
TNF beta Antibody (R30428)

Catalog No.	Formulation	Size
R30428	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P01374
Applications	Western blot: 0.5-1ug/ml
Limitations	This TNF beta antibody is available for research use only.



Western blot testing of TNF beta antibody and Lane 1: recombinant human protein 10ng; 2: 5ng; 3: 2.5ng

Description

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.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the TNF beta antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the middle region of human TNF beta (KQNSLLWRANTDRAFL) was used as the immunogen for this TNF beta antibody.

Storage

After reconstitution, the TNF beta antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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