Product Information Sheet

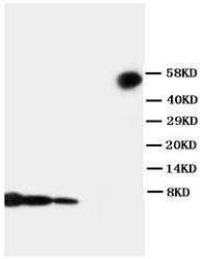
Polyclonal Anti- tumor necrosis factor-beta，*TNFβ*

Catalogue No. PA1361

Lot No. 01310120361124

Ig type rabbit IgG

Size 100μg/vial



Lane 1 : Recombinant Human TGFa Protein 20ng
Lane 2 : Recombinant Human TGFa Protein 10ng
Lane 3 : Recombinant Human TGFa Protein 5ng
Lane 4 : HeLa Whole Cell Lysate
Lane 5 : MK(55KD)

Specificity

Human

No cross reactivity with other proteins.

Recommended application

Western blot

Immunogen

A synthetic peptide corresponding to a sequence at the middle region of human TNFβ (73-88 aa), different from the mouse sequence by one amino acid.

Purity

Immunogen affinity purified.

Application

	Concen-tration	Tested Species	Concluded Species	Antigen Retrieval
WB	1μg/ml	Hu	-	-
IHC-P	-	-	-	-
IHC-F	-	-	-	-
ICC	-	-	-	-

WB: The detection limit for TNFβ is approximately 2.5ng/lane under non-reducing and reducing conditions.

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na_2HPO_4, 0.05mg Thimerosal, 0.05mg NaN_3.

Reconstitution

0.2ml of distilled water will yield a concentration of 500μg/ml.

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 longer time.

To reorder contact us at:

Antagene, Inc.

Toll Free: 1(866)964-2589

email: Info@antageneinc.com

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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.

REFERENCE

1.Parham, Peter (2005). "Chapter 6: T-cell mediated immunity". *The immune system* (2nd ed.). New York: Garland Science. p. 172.

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