



## Product Information Sheet

### Polyclonal Anti-Tumor Necrosis Factor $\alpha$ , *TNF $\alpha$*

**Catalogue No.** PA1079

**Lot No.** 01010122379125

**Ig type:** rabbit IgG

**Size:** 100 $\mu$ g/vial

**Specificity**

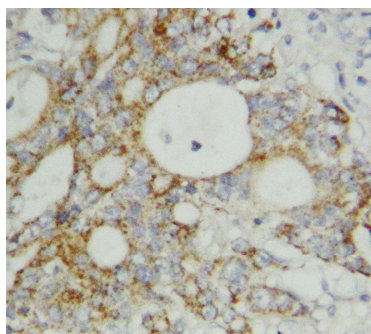
Human, mouse, rat.

No cross reactivity with other proteins.

**Recommended application**

*Western blot*

*Immunohistochemistry(P)*



**Immunogen**

A peptide mapping at the C-terminal of TNF $\alpha$  of human origin, different from the mouse sequence by one amino acid, and rat sequence by three amino acids.

**Purity**

Immunogen affinity purified.

**Application**

	Concentration	Tested Species	Concluded Species	Antigen Retrieval
WB	1 $\mu$ g/ml	Hu, Ms	-	-
IHC-P	1 $\mu$ g/ml	Hu, Rat, Ms	-	-
IHC-F	-	-	-	-
ICC	-	-	-	-

**WB:** The detection limit for TNF $\alpha$  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<sub>2</sub>HPO<sub>4</sub>, 0.05mg Thimerosal, 0.05mg NaN<sub>3</sub>.

**Reconstitution**

0.2ml of distilled water will yield a concentration of 500 $\mu$ g/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:

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## **BACKGROUND**

Tumor necrosis factor-alpha (TNFA) also known as TNFR1, It is a potent cytokine, elicits a broad spectrum of biologic responses which are mediated by binding to a cell surface receptor. There are 2 different proteins that serve as major receptors for TNF-alpha, one associated with myeloid cells and one associated with epithelial cells. TNFR1 maps to 12p13. TNFR1 signaling is also known to activate the transcription factor NF-kappa B and promote survival.

## **REFERENCE**

1. Derre, J.; Kemper, O.; Cherif, D.; Nophar, Y.; Berger, R.; Wallach, D. : The gene for the type 1 tumor necrosis factor receptor (TNF-R1) is localized on band 12p13. Hum. Genet. 87: 231-233, 1991.
2. Fuchs, P.; Strehl, S.; Dworzak, M.; Himmeler, A.; Ambros, P. F. : Structure of the human TNF receptor 1 (p60) gene (TNFR1) and localization to chromosome 12p13. Genomics 13: 219-224, 1992.
3. Micheau, O.; Tschopp, J. : Induction of TNF receptor I-mediated apoptosis via two sequential signaling complexes. Cell 114: 181-190, 2003.