

# TNF- $\alpha$ Rabbit mAb

Catalog No.: A22227

Recombinant

1 Publications

## Basic Information

**Observed MW**

18kDa/25kDa

**Calculated MW**

26kDa

**Category**

Primary antibody

**Applications**

ELISA, WB

**Cross-Reactivity**

Human

**CloneNo number**

ARC52531

## Background

This gene encodes a multifunctional proinflammatory cytokine that belongs to the tumor necrosis factor (TNF) superfamily. This cytokine is mainly secreted by macrophages. It can bind to, and thus functions through its receptors TNFRSF1A/TNFR1 and TNFRSF1B/TNFR. This cytokine is involved in the regulation of a wide spectrum of biological processes including cell proliferation, differentiation, apoptosis, lipid metabolism, and coagulation. This cytokine has been implicated in a variety of diseases, including autoimmune diseases, insulin resistance, psoriasis, rheumatoid arthritis ankylosing spondylitis, tuberculosis, autosomal dominant polycystic kidney disease, and cancer. Mutations in this gene affect susceptibility to cerebral malaria, septic shock, and Alzheimer disease. Knockout studies in mice also suggested the neuroprotective function of this cytokine.

## Recommended Dilutions

WB 1:10000 - 1:40000

## Immunogen Information

**Gene ID**

7124

**Swiss Prot**

P01375

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 77-233 of human TNF- $\alpha$  (NP\_000585.2).

**Synonyms**DIF; TNFA; TNFSF2; TNLG1F; TNF-alpha; TNF- $\alpha$ 

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

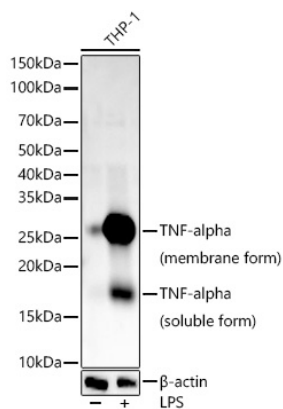
Affinity purification

**Storage**

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of various lysates, using TNF- $\alpha$  Rabbit mAb (A22227) at 1:34000 dilution. THP-1 cells were treated by LPS (1  $\mu$ g/ml) at 37°C for 8 hours.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 $\mu$ g per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90s.