

A22227

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TNF- α Rabbit mAb

Catalog No.: A22227

Recombinant

1 Publications

Basic Information

Observed MW

18kDa/25kDa

Calculated MW

26kDa

Category

SMab Recombinant Monoclonal Antibody

Applications

WB, ELISA

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- α (NP_000585.2).

Synonyms

DIF; TNFA; TNFSF2; TNLG1F; TNF-alpha; TNF- α

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

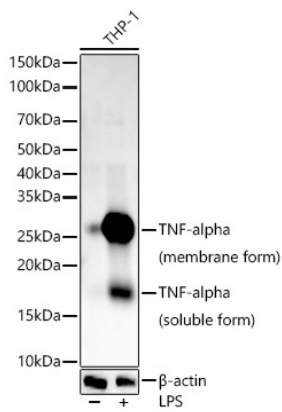
Affinity purification

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- α Rabbit mAb (A22227) at 1:34000 dilution. THP-1 cells were treated by LPS (1 μ 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 μ g per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90s.