

# TNF- $\alpha$ Rabbit mAb

Catalog No.: A21265 **Recombinant** **3 Publications**

## Basic Information

### Observed MW

**Calculated MW**  
26kDa

**Category**  
Primary antibody

**Applications**  
IHC-P,ELISA

**Cross-Reactivity**  
Human

**CloneNo number**  
ARC52538

## 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

**IHC-P** 1:500 - 1:1000

**ELISA** Recommended starting concentration is 1  $\mu$ g/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

**Gene ID** 7124 **Swiss Prot** P01375

**Immunogen** Recombinant protein (or fragment). This information is considered to be commercially sensitive.

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

## Contact

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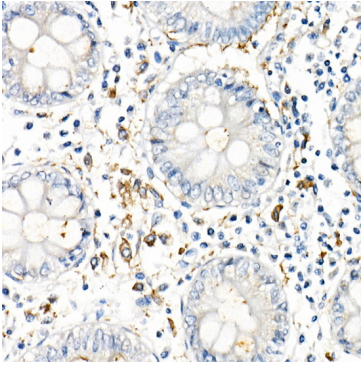
## Product Information

**Source** Rabbit **Isotype** IgG **Purification** Affinity purification

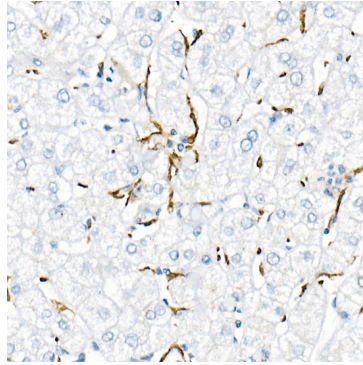
**Storage** Store at -20°C. Avoid freeze / thaw cycles.  
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data

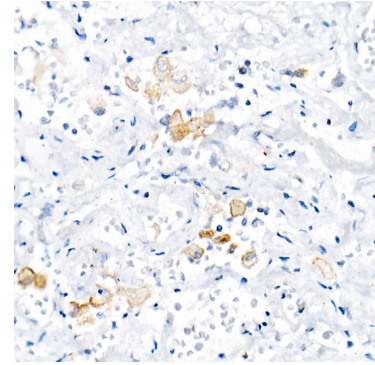
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Immunohistochemistry analysis of paraffin-embedded Human colon using TNF- $\alpha$  Rabbit mAb (A21265) at dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human liver cancer using TNF- $\alpha$  Rabbit mAb (A21265) at dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human lung using TNF- $\alpha$  Rabbit mAb (A21265) at dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.