

TNF- α Rabbit mAb

Catalog No.: A28692 Recombinant

Basic Information

Observed MW

25 kDa/28 kDa

Calculated MW

26 kDa

Category

Primary antibody

Applications

WB,IP,IF/ICC,ELISA

Cross-Reactivity

Mouse, Rat

CloneNo number

ARC78550

Background

Enables tumor necrosis factor receptor binding activity. Involved in several processes, including negative regulation of transport; positive regulation of cell communication; and positive regulation of macromolecule biosynthetic process. Acts upstream of or within positive regulation of interleukin-6 production. Located in external side of plasma membrane; extracellular space; and neuronal cell body. Is active in extracellular region. Used to study several diseases, including cerebrovascular disease (multiple); liver disease (multiple); peptic esophagitis; perinatal necrotizing enterocolitis; and periventricular leukomalacia. Biomarker of several diseases, including artery disease (multiple); brain disease (multiple); congestive heart failure (multiple); liver disease (multiple); and lung disease (multiple). Human ortholog(s) of this gene implicated in several diseases, including autoimmune disease (multiple); eye disease (multiple); liver disease (multiple); lung disease (multiple); and skin disease (multiple). Orthologous to human TNF (tumor necrosis factor).

Recommended Dilutions

WB 1:3000 - 1:9000

IP 0.5 μ g - 4 μ g antibody for
200 μ g - 400 μ g extracts
of whole cells

IF/ICC 1:300 - 1:1200

ELISA Recommended starting concentration is 1 μ g/mL. Please optimize the concentration based on your specific assay requirements. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (\geq 1:10000) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

24835

Swiss Prot

P16599

Immunogen

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

Synonyms

Tnfa; RATTNF; TNF-alpha

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

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

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3

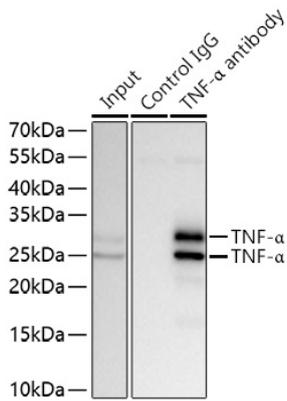
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 | 400-999-6126

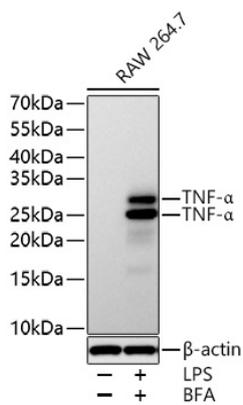
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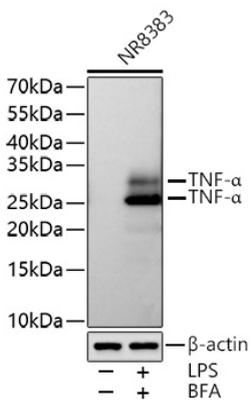
Validation Data



Immunoprecipitation of TNF- α from 400 μ g extracts of RAW 264.7 cells treated with LPS(100 ng/mL, 6h) and BFA(1 μ g/mL, 3h) was performed using 2 μ g of TNF- α Rabbit mAb (A28692). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using TNF- α Rabbit mAb (A28692) at a dilution of 1:5000.

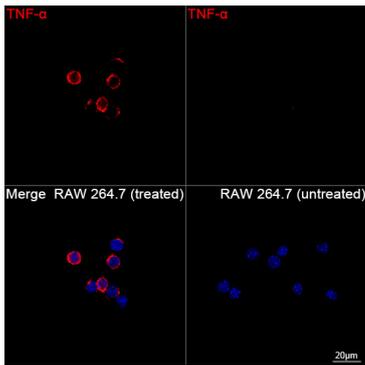


Western blot analysis of lysates from RAW 264.7 cells using TNF- α Rabbit mAb (A28692) at 1:9000 dilution incubated overnight at 4°C. RAW 264.7 cells were treated with LPS (100 ng/mL) at 37°C for 6 hours and BFA (300 ng/mL) at 37°C for 3 hours after serum starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 30 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 45 s.



Western blot analysis of lysates from NR8383 cells using TNF- α Rabbit mAb (A28692) at 1:9000 dilution incubated overnight at 4°C. NR8383 cells were treated with LPS (100 ng/mL) at 37°C for 6 hours and BFA (1 μ g/mL) at 37°C for 3 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 30 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 45 s.

Validation Data



Confocal imaging of RAW 264.7 cells (treated with LPS and BFA) and RAW 264.7 cells (untreated) using TNF- α Rabbit mAb (A28692, dilution 1:900) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.