

MAA133Hu21

Monoclonal Antibody to Tumor Necrosis Factor Alpha (TNF α)

Organism Species: *Homo sapiens* (Human)

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Monoclonal antibody preparation

Host: Mouse

Antibody isotype: IgG1 Kappa

Purification: Protein A + Protein G affinity chromatography

Clone number: C6

Traits: Liquid

Concentration: 1mg/mL

UOM: 100µL

Cross Reactivity: Mouse

Applications: WB; ICC/IF

[IMMUNOGEN]

Immunogen: Recombinant TNFα (Val77~Leu233) expressed in *E.coli*

Accession No.: RPA133Hu01

[APPLICATIONS]

Western blotting: 0.01-2µg/mL;

Immunocytochemistry: 5-20µg/mL;

Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

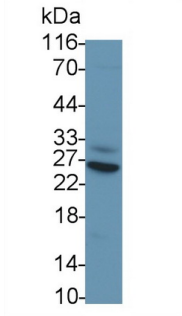
Store at 4°C for frequent use.

Aliquot and store at -20°C for 24 months.

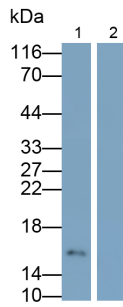
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no

obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

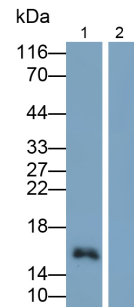
[IDENTIFICATION]



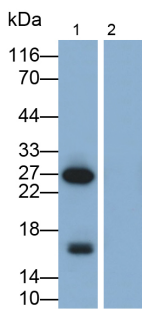
Western Blot; Sample: RAW264.7 cell lysate
 Primary Ab: 0.6µg/ml Mouse Anti-Human TNFa Antibody
 Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
 (Catalog: SAA544Mu19)



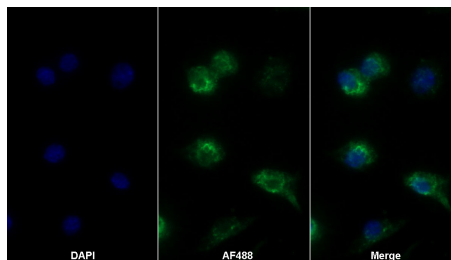
Western Blot; Samples: Lane1: THP1 treated with 10µg/ml LPS and 10µg/ml ConA for 24 hours, cell supernatant; Lane2: Untreated THP1 cell lysate;
 Primary Ab: 0.2µg/ml Mouse Anti-Human TNFa Antibody
 Second Ab: 0.2µg/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
 (Catalog: SAA544Mu19)



Western Blot; Samples: Lane1: THP1 treated with 10µg/ml LPS and 10µg/ml ConA for 24 hours, cell precipitation; Lane2: Untreated THP1 cell lysate;
 Primary Ab: 0.2µg/ml Mouse Anti-Human TNFa Antibody
 Second Ab: 0.2µg/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
 (Catalog: SAA544Mu19)



Western Blot; Samples: Lane1: THP1 treated with 80nM PMA overnight, replacing the culture medium with 100ng/ml LPS for 6 hours, and finally adding 2µg/ml monensin for 3 hours, cell precipitation; Lane2: Untreated THP1 cell lysate;



AF488 staining on IF;
 Sample: RAW264.7 cell
 Primary Ab: 20µg/ml Mouse Anti-Human TNFa Antibody
 Second Ab: 2µg/ml AF488-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
 (Catalog: SAA544Mu11)

Primary Ab: 0.2µg/ml Mouse Anti-

Human TNFa Antibody

Second Ab: 0.2?g/ml HRP-Linked

Caprine Anti-Mouse IgG Polyclonal

Antibody

(Catalog: SAA544Mu19)

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.