

**MAA133Ra23**

**Monoclonal Antibody to Tumor Necrosis Factor Alpha (TNF $\alpha$ )**

**Organism Species: *Rattus norvegicus* (Rat)**

***Instruction manual***

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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12th Edition (Revised in Aug, 2016)

**[ PROPERTIES ]**

**Source:** Monoclonal antibody preparation

**Host:** Mouse

**Antibody isotype:** IgG2a Kappa

**Purification:** Protein A + Protein G affinity chromatography

**Clone number:** D4

**Traits:** Liquid

**Concentration:** 1mg/ml

**UOM:** 100µl

**Cross Reactivity:** N/A

**Applications:** WB; IHC; ICC; IP.

**[ IMMUNOGEN ]**

**Immunogen:** Recombinant TNFα (Leu80~Leu235) expressed in *E.coli*

**Accession No.:** RPA133Ra01

**[ APPLICATIONS ]**

Western blotting: 0.5-2µg/mL;

Immunohistochemistry: 5-20µg/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.

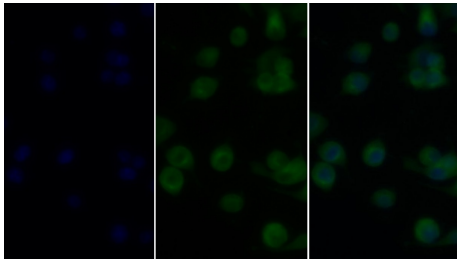
Store at 4°C for frequent use.

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 ]



FITC staining on IF; Sample:  
RAW264.7 cell treated with 5?g/ml Lipo  
polysaccharide(LPS) and 2μM  
Monensin for 1 night. Primary Ab:  
20?g/ml Mouse Anti-Rat TNFa Antibody  
Second Ab: 5?g/ml FITC-Linked  
Caprine Anti-Mouse IgG Polyclonal  
Antibody (Catalog: SAA544Mu18)

### [ 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.