MAA133Ra21
Monoclonal Antibody to Tumor Necrosis Factor Alpha (TNFa)
Organism Species: Rattus norvegicus (Rat)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

[ PROPERTIES ]
Source: Monoclonal antibody preparation
Host: Mouse
Antibody isotype: IgG2b Kappa
Purification: Protein A/G Affinity Chromatography.
Clone number: C7
Traits: Liquid
Concentration: 500µg/mL
UOM: 200µg
Applications: WB; ICC; IHC-P; IHC-F; ELISA; IP; IF; FCM.

[ IMMUNOGEN ]
Immunogen: RPA133Ra01-Recombinant Tumor Necrosis Factor Alpha (TNFa)

[ APPLICATIONS ]
Western blotting: 0.5-5ug/ml
Immunocytochemistry in formalin fixed cells: 5-30ug/ml
Immunohistochemistry in formalin fixed frozen section: 5-30ug/ml
Immunohistochemistry in paraffin section: 5-30ug/ml
Enzyme-linked Immunosorbent Assay: 0.05-2ug/ml
Optimal working dilutions must be determined by end user.

[ FORMULATION ]
Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN₃, 50% glycerol.
[ QUALITY CONTROL ]

Content: The quality control contains recombinant TNFa disposed in loading buffer.

Usage: 10uL per well when 3,3'-Diaminobenzidine (DAB) as the substrate.

5uL per well when used in enhanced chemilumescent (ECL).

Note: The quality control is specifically manufactured as the positive control. Not used for other purposes.

Loading Buffer: 100mM Tris(pH6.8), 1% SDS, 150mM NaCl, 50% glycerol, 0.02% BPB, 50mM DTT and 0.02% NaN₃.

[ STORAGE AND STABILITY ]

Storage: Avoid repeated freeze/thaw cycles.

Store at 4°C for frequent use.

Aliquot and store at -20°C for 12 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 ]

Figure 1. Western Blot

A. Sample: Recombinant TNFa, Rat