

PAA133Ra01**Polyclonal Antibody to Tumor Necrosis Factor Alpha (TNF α)****Organism Species: *Rattus norvegicus* (Rat)*****Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

11th Edition (Revised in May, 2016)

[PROPERTIES]**Source:** Polyclonal antibody preparation**Host:** Rabbit**Purification:** Antigen-specific Affinity Chromatography.**Traits:** Liquid**Concentration:** 200 μ g/mL**UOM:** 50 μ g**Applications:** WB; ICC; IHC-P; IHC-F; ELISA; IP; IF; FCM.**[IMMUNOGEN]****Immunogen:** Recombinant TNF α (Leu80~Leu235) expressed in *E.coli*.**Accession No.:** RPA133Ra01**[APPLICATIONS]**Western blotting: 0.5-2 μ g/mlImmunocytochemistry in formalin fixed cells: 5-20 μ g/mlImmunohistochemistry in formalin fixed frozen section: 5-20 μ g/mlImmunohistochemistry in paraffin section: 5-20 μ g/mlEnzyme-linked Immunosorbent Assay: 0.05-2 μ g/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 TNF α disposed in loading buffer.

Usage: 10uL per well when 3,3'-Diaminobenzidine(DAB) as the substrate.
5uL per well when used in enhanced chemiluminescent (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]

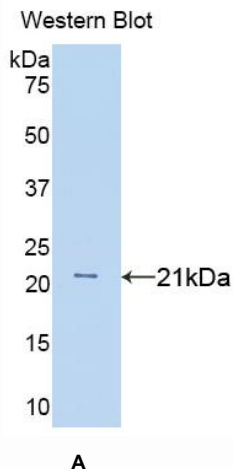


Figure 1. Western Blot

A. Sample: Recombinant TNF α , Rat