

# TNF- $\alpha$ Monoclonal Antibody

**CATALOG #:** 3055-100

**LOT #:** \_\_\_\_\_

**HOST:** Mouse

**ISOTYPE:** IgG<sub>1</sub>

**CLONE:** J1D9

**IMMUNOGEN:** Recombinant TNF- $\alpha$

**SPECIES REACTIVITY:** human

## ANTIBODY FORMULATION:

100  $\mu$ g (200  $\mu$ g/ml) protein purified monoclonal antibody in PBS containing 1 mg/ml BSA and 1.5 mM sodium azide and 50% glycerol.

## STORAGE CONDITIONS:

Store at -20°C. For long term storage, aliquot and refreeze at -70°C. Avoid repeated freeze/thaw cycles.

## DESCRIPTION:

Human Tumor necrosis factor alpha (TNF- $\alpha$ ) is a proinflammatory cytokine expressed mainly by activated monocytes and macrophages. TNF- $\alpha$  exerts a key role with regard to pathogenesis of many infectious and inflammatory diseases.

## APPLICATIONS AND USAGE:

Western blot analysis (1-2  $\mu$ g/ml), Immunohistochemistry (10-20  $\mu$ g/ml), Flow cytometry (10-20  $\mu$ g/ml), Neutralization (0.5  $\mu$ g/ml). However, the optimal conditions should be determined individually.

**NOTE:** For Research Use Only! Not to be used in human.

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## RELATED PRODUCTS:

### Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptotic Cell Isolation Kit

### Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

### Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

### Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

### Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

### Adipocyte & Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay Kit
- Total Cholesterol Quantification Kit

### Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- $\beta$ -Galactosidase Staining Kit & Luciferase Reporter Assay Kit