

# TNF- $\alpha$ Monoclonal Antibody

<b>CATALOG #:</b>	3055-100
<b>LOT #:</b>	_____
<b>HOST:</b>	Mouse
<b>ISOTYPE:</b>	IgG <sub>1</sub>
<b>CLONE:</b>	J1D9
<b>IMMUNOGEN:</b>	Recombinant TNF- $\alpha$
<b>SPECIES REACTIVITY:</b>	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.

**RELATED PRODUCTS:**

## Apoptosis Detection Kits &amp; Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

## 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 &amp; 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 &amp; 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 &amp; Lipid Transfer

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

## Molecular Biology &amp; 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

## Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies