

Recombinant Rat TNF-α

CATALOG #: 1052-10 10 μg

1052-50 50 µg 1052-1000 1 mg

LOT #: _____

SOURCE: E. coli

PURITY: >95 % by SDS-PAGE and HPLC analyses.

Endotoxin level is <0.1 ng per μ g of TNF- α .

MOL. WEIGHT: 17.0 kDa

FORMULATION: Sterile filtered and lyophilized from 1X PBS

RECONSTITUTION:

We recommend a quick spin followed by reconstitution in water to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.

STORAGE CONDITIONS:

The lyophilized TNF- α is best-stored desiccated below 0°C. Reconstituted TNF- α should be stored at working aliquots at -20°C.

DESCRIPTION:

Tumor Necrosis Factor-alpha (TNF- α) is a potent lymphoid factor that exerts cytotoxic effects on a wide range of tumor cells and certain other target cells. Rat TNF- α is a 17 kDa protein containing 157 amino acid residues.

BIOLOGICAL ACTIVITY:

The ED₅₀ as determined by the cytolysis of murine L929 cells in the presence of actinomycin D is ≤ 0.05 ng/ml, corresponding to a specific activity of $\geq 2 \times 10^7$ units/mg.

RECOMMENDED USAGE:

For most *in vitro* applications, TNF- α exerts its biological activity in the concentration range of 0.5 to 20 ng/ml.

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

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

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