

# Recombinant Human TNF-β

**CATALOG #**: 4345-20 20 μg

4345-1000 1 mg

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

SOURCE: E. coli

**PURITY:** >98% by SDS-PAGE and HPLC analyses.

Endotoxin level is <0.1 ng per μg of TNF-β.

MOL. WEIGHT: 18.6 kDa

**FORMULATION:** Sterile filtered and lyophilized with no additives

#### RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in PBS to a concentration of 1 mg/ml. This solution can then be diluted into other aqueous buffers and store at 4°C for 1 week or –20°C for future use. For long term storage, it is recommended to add a carrier protein (0.1% HAS or BSA).

#### STORAGE CONDITIONS:

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

## **DESCRIPTION:**

Tumor Necrosis Factor-beta (TNF- $\beta$ ) is a potent lymphoid factor that exerts cytotoxic effects on a wide range of tumor cells and certain other target cells. Human TNF- $\beta$  is a 18.6 kDa protein containing 171 amino acid residues.

### **BIOLOGICAL ACTIVITY:**

The ED<sub>50</sub> 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  $> 2 \times 10^7$  units/mg.

FOR RESEARCH USE ONLY! Not to be used in human subjects.

## **RELATED PRODUCTS:**

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

## Cell Fractionation System

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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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- Bioluminescence Cytotoxicity Assay Kit
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