



Optimize Your Research

# Recombinant Mouse Tumor Necrosis Factor-alpha protein

## Code CD00195

**Storage:** This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles.

### Intended Use

This product is for research use only, not for use in diagnosis procedures. It is highly recommended to read this instruction entirely before the use.

### Source

Escherichia coli.

### Molecular Weight

Approximately 17.4 kDa. The recombinant Mouse TNF- $\alpha$  is a soluble 157 amino acid protein which corresponds to C-terminal extracellular domain of the full length transmembrane protein.

### Purity

> 98 % by SDS-PAGE and HPLC analyses.

### Biological Activity

Fully biologically active when compared to standard. The ED50 as determined by a cytotoxicity assay using Mouse L929 cells is less than 0.1 ng/ml, corresponding to a specific activity of  $> 1.0 \times 10^7$  IU/mg in the presence of actinomycin D.

### Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

### Formulation

Lyophilized from a 0.2  $\mu$ m filtered solution in PBS, pH 7.2.

### Sequence

MLRSSSQNSS DKPVAHVVAN HQVEEQLEWL SQRANALLAN GMDLKDNLV VPADGLYLVY SQVLFKGGQC PDYVLLTHTV  
SRFAISYQEK VNLLSAVKSP CPKDTPEGAE LKPWYEPIYL GGVFQLEKGD QLSAEVNLPK YLDFAESGQV YFGVIAL

### Endotoxin

Less than 1 EU/ $\mu$ g of rMuTNF- $\alpha$  as determined by LAL method.

### Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at  $\leq -20$  °C. Further dilutions should be made in appropriate buffered solutions.

If you have any question on order please contact us via: [order@bt-laboratory.com](mailto:order@bt-laboratory.com); technical assistance please contact us via: [support@bt-laboratory.com](mailto:support@bt-laboratory.com) More product visit [www.bt-laboratory.com](http://www.bt-laboratory.com)