



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Recombinant Mouse TNF $\alpha$

**CLY200-31-5UG**  
**CLY200-31-20UG**  
**CLY200-31-100UG**  
**CLY200-31-500UG**  
**CLY200-31-1MG**

### **Description:**

Tumor Necrosis Factor alpha (TNF $\alpha$ ) is an inflammatory cytokine secreted by macrophages, monocytes, neutrophils, T cells, NK-cells following their stimulation by bacterial LPS. TNF $\alpha$  activates signals through two receptors, TNF-R1, which is expressed on most cell types, and TNF-R2, which is expressed mainly on immune cells. TNF $\alpha$  can have many functions including the stimulation of phagocytosis in macrophages, to chemoattract neutrophils, to increase insulin resistance and to induce fever.

### **Presentation:**

5  $\mu$ g, 20  $\mu$ g, or 100  $\mu$ g, 500  $\mu$ g, or 1 mg, lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, 50 mM sodium chloride, pH 7.5

### **Source:** *E.coli*

### **Reconstitution:**

It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/ml, which can be further diluted into other aqueous solutions. **DO NOT VORTEX**. Allow several minutes for complete reconstitution.

### **Stability:**

Lyophilized product is very stable at -20°C. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80 °C and avoid repeat freeze thaws.

### **Purity:**

Greater than 95% as determined by reducing and non-reducing SDS-PAGE.

### **Biological Activity:**

Recombinant Mouse TNF $\alpha$  is fully biologically active when compared to standard. The ED<sub>50</sub>, determined by the cytolysis of mouse L929 cells in the presence of Actinomycin D, is 13-20pg/mL. This corresponds to a specific activity of 7.7 x 10<sup>7</sup> Units/mg.

### **AA Sequence:**

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

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