



Mouse TNF- α

5 μ g
20 μ g

130-094-084
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Description:

Tumor necrosis factor α (TNF- α) is a potent lymphoid factor which exerts cytotoxic effects on a wide range of tumor cells and certain other target cells. Mouse TNF- α produced in *S. lividans* is a soluble 17.3 kDa, non-glycosylated protein containing 156 amino acid residues, which corresponds to the C-terminal extracellular domain.

Source:	<i>Streptomyces lividans</i>
Molecular mass:	17.3 kDa
Specific activity:	$\geq 2 \times 10^7$ U/mg
Purity:	>98% (SDS-PAGE, HPLC)
Endotoxin level:	<0.1 ng/ μ g (1 EU/ μ g)
Buffer:	Tris-HCl (10 mM, pH 8.0) NaCl (20 mM)
Stabilizer:	None
Product format:	Sterile filtered, lyophilized

Biological activity:

The ED₅₀ of ≤ 0.05 ng/mL was determined by the cytolysis of mouse L929 cells in the presence of actinomycin-D. It corresponds to a specific activity of $\geq 2 \times 10^7$ U/mg.

Reconstitution:

We recommend a quick spin followed by reconstitution in deionized sterile-filtered 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 one week or –20 °C for future use. For long-term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Storage:

The lyophilized protein is stable for a few weeks at room temperature, but best stored at –20 °C. Reconstituted Mouse TNF- α should be stored in working aliquots at –20 °C. Avoid repeated freeze-thaw cycles.

All protocols and data sheets are available at www.miltenyibiotec.com.

Warranty

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