

## TNF $\alpha$

Cat.#	Size	Conc.
C001S	50 $\mu$ g	1 mg/ml
C001M	0,5 mg	1 mg/ml
C001L	1 mg	1 mg/ml

Expire date:

Store at -20 $^{\circ}$ C

### Product description

TNF $\alpha$  is a carrier-free recombinant protein that is expressed and purified from E. coli. It is purified to near homogeneity by the use of several chromatographic steps. It is a wild-type protein with 157 amino acids with a methionine residue at its Nterminus. Its biological activity has been confirmed with a cytotoxic assay carried out with murine L929 cells. Its activity is specifically inactivated by neutralizing anti-TNF $\alpha$  antibodies.

### Characteristics

- Molecular weight : 17.5 kDa
- Full length, recombinant
- Concentration : 1 mg/ml  
(This product can be diluted in 1X PBS to obtain 100-500  $\mu$ g/ml final concentration)

### Applications

- ELISA
- Western Blotting

### Quality control

- Purity : >97% on SDS-PAGE

### Biological activity

ED<sub>50</sub> range = 0.02-0.05 ng/ml  
(In a cytotoxic assay measured in a murine L929 cell line treated together with actinomycin D)

### Storage conditions

- This product is provided in 1X PBS, pH 7.4  
(137 mM NaCl, 2.7 mM KCl, 10 mM Na<sub>2</sub>HPO<sub>4</sub>, 2 mM KH<sub>2</sub>PO<sub>4</sub>)
- Store at -20 $^{\circ}$ C or below.
- Avoid repeated cycles of freezing-thawing  
It is recommended to make small aliquots (each for a single use) prior to storage

*For Research Use Only. Not for use in diagnostic procedures.*

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