

## TNF- $\alpha$ /TNFA/TNFSF2, Mouse, Recombinant

货号 : PCK055

### 产品信息

别名	TNFSF2, Cachectin, Differentiation-inducing factor (DIF), Necrosin, Cytotoxin, TNS_x0002_F1A, TNF- $\alpha$
物种	Mouse
表达宿主	E.coli
序列信息	MLRSSSQNSSDKPVAHVVANHQVEEQLEWLSQRANALLANGMDLKDNQL VVPADGLYLVYSQVLFGKQGCPDYVLLTHTVSRFAISYQEKVNLLSAVKSP CPKDTPEGAEKLPWYEPIYLGGVFQLEKGDQLSAEVNLPKYL DFAESGQVYFGVIAL with polyhistidine tag at the C-terminus.
检索号	P06804.29(Mouse), P16599.1(Rat)
分子量	18.20 kDa
标签	His-tag at the C-terminus
生物活性	Measure by its ability to induce cytotoxicity in L929 cells in the presence of actinomycin D. The ED50 for this effect is <40 pg/mL. The specific activity of recombinant mouse TNF alpha is approximately $>2.5 \times 10^7$ IU/mg.

### 产品特性

纯度	>98% as determined by SDS-PAGE. Ni-NTA chromatography
内毒素	<0.1 EU per 1 $\mu$ g of the protein by the LAL method.
保存	Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10% FBS, 5% HSA or 5% trehalose solution), protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.
运输	Ambient temperature or ice pack.
制剂	The protein was lyophilized from a 0.2 $\mu$ m filtered solution containing 1X PBS, pH 8.0.



## 复融

It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100  $\mu\text{g/mL}$ . Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

## 背景介绍

TNF- $\alpha$  is a kind of pleiotropic pro-inflammatory cytokine. It is secreted by various cells, such as adipocytes, activated monocytes, macrophages, B cells, T cells and fibroblasts. Proteolysis of the integral membrane precursor form of TNF- $\alpha$  from cells soluble can release homotrimeric TNF- $\alpha$ . TNF- $\alpha$  can bind with some TNF- $\alpha$  receptors induces apoptosis, besides, also trigger other responses depending on cell type, receptor expression, and signal transduction status. TNF- $\alpha$  participate in the inflammatory response.

## SDS-PAGE

