

TNF- α /TNFA/TNFSF2, Mouse, Recombinant

货号：PCK055

产品信息

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| 别名 | TNFSF2, Cachectin, Differentiation-inducing factor (DIF), Necrosin, Cytotoxin, TNS_x0002_F1A, TNF-a |
| 物种 | Mouse |
| 表达宿主 | E.coli |
| 序列信息 | MLRSSSQNSSDKPVAHVVANHQVEEQLEWLSQRANALLANGMDLKDNQL VVPADGLYLVYSQVLFKGQGPCDYVLLTHTVSRFAISYQEKVNLLSAVKSP CPKDTPEGAEKLPWYEPYILGGVFQLEKGDQLSAEVNLPKYL 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 >2.5x 10 ⁷ IU/mg. |

产品特性

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| 纯度 | >98% as determined by SDS-PAGE. Ni-NTA chromatography |
| 内毒素 | <0.1 EU per 1 μ 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 μ 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- α 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- α from cells soluble can release homotrimeric TNF- α . TNF- α can bind with some TNF- α receptors induces apoptosis, besides, also trigger other responses depending on cell type, receptor expression, and signal transduction status. TNF- α participate in the inflammatory response.

SDS-PAGE

