

CHAMOT

**重组人肿瘤坏死因子alpha / Recombinant TNF
alpha, Human, GMP**

CM046-100HPG

CM046-1000HPG



CHAMOT

乔默®生物

Specialize In Cytokines



CONTENT

1 产品简介

2 产品使用

3 产品储存/运输

4 实验数据展示

重组人肿瘤坏死因子alpha / Recombinant TNF alpha, Human, GMP

产品编号	CM046-100HPG	CM046-1000HPG
规格	100 ug	1 mg

产品简介

背景描述 Tumor necrosis factor alpha (TNF alpha) stimulates the acute phase of the immune response. In response to a pathogen, TNF alpha is one of the first to be released and can apply its effects in many organs. TNF alpha stimulates the release of corticotropic releasing hormone, suppresses appetite, and induces fever, in the hypothalamus. TNF increase vasodilation and loss of vascular permeability, it helps recruit lymphocyte, neutrophil, and monocyte to the inflammation site by regulating chemokine release.

别称 tumor necrosis factor beta, TNFSF1B, Lymphotoxin-alpha (LT- α), LTA

蛋白编码 P01375

分子量 The protein has a calculated MW of 18.3 kDa. The protein migrates as 17 kDa under reducing condition (SDS-PAGE analysis).

表达系统 Escherichia coli

纯度 >97% as determined by SDS-PAGE analysis.

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 < 0.1 ng/mL. The specific activity of recombinant human TNF alpha GMP is approximately $\geq 1 \times 10^7$ IU/mg, which is calibrated against the human TNF Alpha WHO International Standard (NIBSC code: 12/154).

内毒素检测 <0.05 EU per 1 μ g of the protein by the LAL method.

蛋白序列 MVRSSSRTPSDKPVAVHVVANPQAEGQLQWLNRRANALLANGVELRDNQLVVPSEGLYLIYS QVLFKGQGCPSTHVLLTHTISRIAVSYQTKVNLLSAIKSPCQRETPEGAEAKPWYEPIYLGGVFQ LEKGDRLSAEINRPDYLDFAESGQVYFGIIL with polyhistidine tag at the C-terminus.

支原体 Not detected

产品形式 Lyophilized from a 0.2 μ m filtered solution of PBS, pH 8.0.

产品使用

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 0.5 mg/mL and incubate the stock solution at RT for at least 20 min to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

产品储存/运输

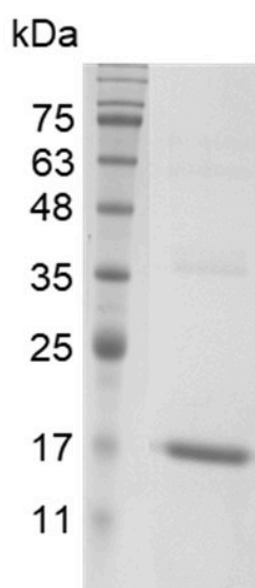
储存

Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 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 -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.

运输

Blue Ice

实验数据展示



SDS- PAGE analysis of GMP human TNF alpha

For Research Use or Further Manufacturing Only

Chamot Biotechnology(Shanghai) Co., Ltd. www.chamot-bio.com

Tel: 021-51880030 Mail: info@chamot-bio.com QQ: 864920491