

CHAMOT

**重组人肿瘤坏死因子 β /Recombinant TNF beta,
Human, Animal-Free**

CM047-5HP

CM047-20HP

CM047-100HP

CM047-500HP

CM047-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines

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重组人肿瘤坏死因子 β /Recombinant TNF beta, Human, Animal-Free

产品编号	CM047-5HP	CM047-20HP	CM047-100HP	CM047-500HP	CM047-1000HP
规格	5 μ g	20 μ g	100 μ g	500 μ g	1 mg

产品简介

背景描述 Human TNF beta (Lymphotoxin-alpha) is a 22 kDa cytokine with 205 amino acid residues. TNF beta belongs to tumor necrosis factor (TNF) superfamily as TNF alpha. Binding to lymphotoxin- β receptor (Lt β R), canonical and non-canonical NF- κ B signal pathway will be activated. TNF beta is related to apoptosis and inflammatory signals

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

蛋白编码 P01374

分子量 The protein has a calculated MW of 18.65 kDa. The protein migrates as 21 kDa under reducing condition (SDS-PAGE analysis).

表达系统 Escherichia coli

纯度 >98% as determined by SDS-PAGE.

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 <3 pg/mL. The specific activity of recombinant human TNF beta is > 3.3x 10⁸ IU/mg.

内毒素检测 <0.1 EU per 1 μ g of the protein by the LAL method.

蛋白序列 LPGVGLTPSAAQTARQHHPKMHLAHSTLKPAAHLLIGDPSKQNSLLWRANTDRAFLQDGFSLSN NSLLVPTSGIYFVYSQVVFSGKAYSPKATSSPLYLAHEVQLFSSQYPFHVPLLSSQKMVYPGLQE PWLHSMYHGAAFQLTQGDQLSTHTDGIPHLVLSPSTVFFGAFAL with polyhistidine tag at the N-terminus.

产品形式 The protein was lyophilized from a 0.2 μ m filtered solution containing 20 mM sodium citrate, 0.2 M NaCl, pH 4.5. If you have any concerns or special requirements, please confirm with us.

产品应用 Cell Culture

产品使用

1. Before opening, centrifuge at 3000 rpm for 5 mins.

2. Initial Reconstitution

- Reconstitute the Lyophilized Protein in sterile H₂O to a concentration of 100-200 µg/mL.
- Then, incubate it at room temperature for at least 20 mins to ensure sufficient dissolution.

Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

- Store at 2°C to 8°C for up to 1 week.

3. Extended Storage

• After the initial reconstitution, further dilute the reconstituted protein in a buffer containing a carrier protein or stabilizer (e.g., 0.1% BSA, 10% FBS, 5% HSA, or 5% trehalose solution). The final concentration is not less than 10 µg/mL.

- Prepare aliquots (≥20 µl).
- Store at -20°C or -80°C for 3 to 6 months.

Avoid repeated freeze-thaw cycles.

产品储存/运输

Lyophilized Protein: Store at -20°C for 1 year.

储存

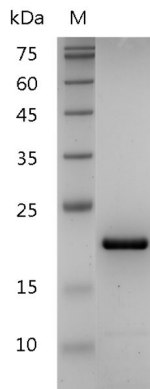
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

Extended Storage: Store at -20°C or -80°C for 3 to 6 months with a carrier protein or stabilizer.

运输

Blue Ice

实验数据展示



For Research Use or Further Manufacturing Only

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