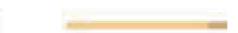


CHAMOT

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

CONTENTS

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β /Recombinant TNF beta, Human, Animal-Free

产品编号	CM047-5HP	CM047-20HP	CM047-100HP	CM047-500HP	CM047-1000HP
规格	5 µg	20 µg	100 µg	500 µg	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 (LtβR), canonical and non-canonical NF-κB 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 ED ₅₀ for this effect is <3 pg/mL. The specific activity of recombinant human TNF beta is > 3.3x 10 ⁸ IU/mg.
内毒素检测	<0.1 EU per 1 µg of the protein by the LAL method.
蛋白序列	LPGVGLTPSAAQTARQHPKMHLAHLSTLKPAAHLIGDPSKQNSLLWRANTDRAFLQDGFSLSN NSLLVPTSGIYFVYSQVVFSGKAYSPKATSSPLYLAHEVQLFSSQYPFHVPLLSSQKMVYPGLQE PWLHSMYHGAAFQLTQGDQLSTHTDGIPLHLVLPSTVFFGAFAL with polyhistidine tag at the N-terminus.
产品形式	The protein was lyophilized from a 0.2 µm 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 ($\geq 20 \mu\text{l}$).
- 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

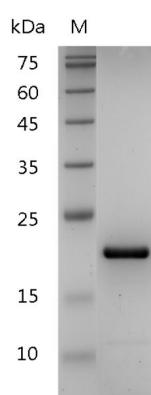
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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

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

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