

# CHAMOT

**重组小鼠肿瘤坏死因子β /Recombinant TNF beta,  
Mouse, Animal-Free**

**CM039-5MP**



**CM039-20MP**



**CM039-100MP**



**CM039-500MP**



**CM039-1000MP**



**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

## 重组小鼠肿瘤坏死因子β /Recombinant TNF beta, Mouse, Animal-Free

产品编号	CM039-5MP	CM039-20MP	CM039-100MP	CM039-500MP	CM039-1000MP
规格	5 μg	20 μg	100 μg	500 μg	1 mg

### 产品简介

<b>背景描述</b>	Tumor Necrosis Factor Beta (TNF beta) or lymphotoxin-alpha (LT-α) is a 19 kDa tumor necrosis factor family protein with 171 amino acid residues. TNF beta is mainly expressed from lymphocytes, and mediates variety of inflammatory, immunostimulatory, and antiviral responses. TNF beta also involves development in secondary lymphoid organs. It is cytotoxic for different tumor cells in vitro and in vivo.
<b>别称</b>	tumor necrosis factor beta, TNFSF1B, Lymphotoxin-alpha (LT-α), LTalpha, Ltx, TNF-be, TNFSF1, Tnf, Tnfb, Tnfsf, Tnfsf1b, Tnlg1e, hlb38, hlb382, lymph
<b>蛋白编码</b>	P09225
<b>分子量</b>	The protein has a calculated MW of 19.36 kDa. The protein migrates as 11-17 kDa under reducing condition (SDS-PAGE analysis).
<b>表达系统</b>	Escherichia coli
<b>纯度</b>	>98% as determined by SDS-PAGE.
<b>生物活性</b>	Measure by its ability to induce cytotoxicity in L929 cells in the presence of vactinomycin D. The ED <sub>50</sub> for this effect is <30 ng/mL.
<b>内毒素检测</b>	<0.1 EU per 1 μg of the protein by the LAL method.
<b>蛋白序列</b>	LSGVRFSAARTAHPLPKHLTHGILKPAAHLVGYP SKQNSLLWRASTDRAFLRHGF SLSNN SLL IPTSGLYFVYSQVVFSGESCS PRAIPTPIYLAHEVQLFSSQYPFHVPLL SAQKVYPGLQGPWVR SMYQGAVFLLSKGDQLSTHTDGI SHLHFSPSSVFFGA FAL with polyhistidine tag at the N-terminus.
<b>产品形式</b>	The protein was lyophilized from a 0.2 μm filtered solution containing 1X PBS, pH 8.0. If you have any concerns or special requirements, please confirm with us.
<b>产品应用</b>	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 H<sub>2</sub>O 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

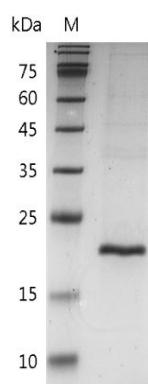
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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](http://www.chamot-bio.com)

Tel: 021-51880030 Mail: [info@chamot-bio.com](mailto:info@chamot-bio.com) QQ: 864920491