

# CHAMOT

重组小鼠趋化因子CCL4 /Recombinant CCL4,  
Mouse, Animal-Free

CM074-5MP



CM074-20MP



CM074-100MP



CM074-500MP



CM074-1000MP



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

## 重组小鼠趋化因子CCL4 /Recombinant CCL4, Mouse, Animal-Free

产品编号	CM074-5MP	CM074-20MP	CM074-100MP	CM074-500MP	CM074-1000MP
规格	5 μg	20 μg	100 μg	500 μg	1 mg

### 产品简介

背景描述	C-C Motif Chemokine Ligand 4 (CCL4) is a 7.66 kDa cytokine with 69 amino acid residues. CCL4, also named macrophage inflammatory protein-1 $\beta$ (MIP-1 $\beta$ ), is mainly secreted from neutrophils, monocytes, B cells, T cells, fibroblasts, endothelial cells, and epithelial cells. In addition, CCL4 participates in immune responses, including recruitment of immune cells like lymphocytes, monocytes, and leukocytes, response to IL-1 and IFN $\gamma$ , and production of TNF when CCL4 binds to CCR5.
别称	C-C Motif Chemokine Ligand 4, MIP-1b: Macrophage Inflammatory Protein-1 $\beta$ , ACT-2
蛋白编码	P14097
分子量	The protein has a calculated MW of 8.64 kDa. The protein migrates as 11-17 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 chemoattract human THP1 cells using a concentration range of 20-100 ng/mL.
内毒素检测	<0.1 EU per 1 μg of the protein by the LAL method.
蛋白序列	APMGSDPPTSCCFSYTSRQLHRSFVMDYYETSSLCSKPAVVFLTKRGRQICANPSEPWVTEYMSDLELN with polyhistidine tag at the N-terminus.
产品形式	The protein was lyophilized from a 0.2 μm filtered solution containing 1X PBS, pH 7.4. 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 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

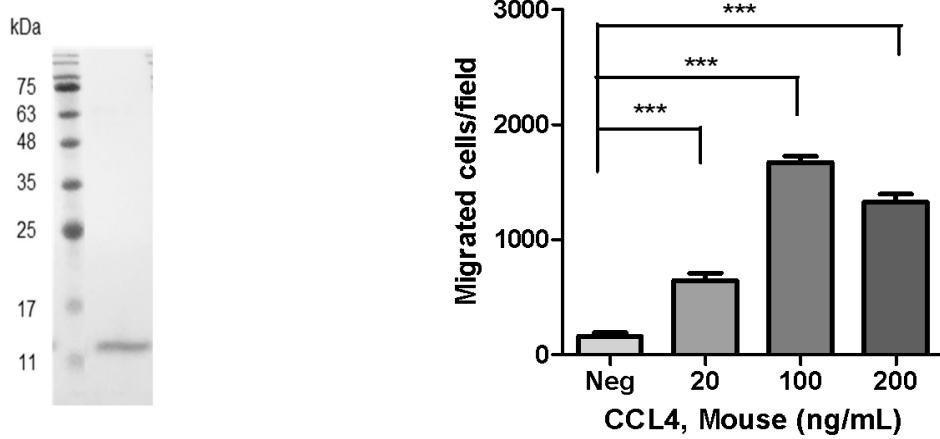
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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



Activity analysis of recombinant Mouse CCL4, His Tag, E. coli.

SDS-PAGE analysis of recombinant mouse CCL4      Measure by its ability to chemoattract human THP1 cells using a concentration range of 20-100 ng/mL.

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