

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



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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 β (MIP-1 β), 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 γ , and production of TNF when CCL4 binds to CCR5.

别称

C-C Motif Chemokine Ligand 4, MIP-1b: Macrophage Inflammatory Protein-1 β , 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

APMGSDPPTSCCFYSYTSRQLHRSFVMDYYETSSLCSKPAVVFLTKRGRQICANPSEPWWTEYM SDLELN 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 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

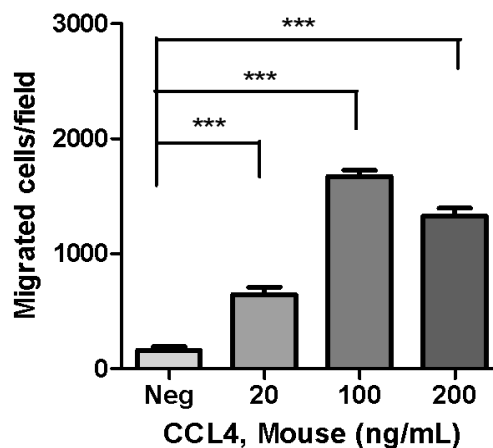
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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



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

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