

CHAMOT

重组小鼠趋化因子CCL3 /Recombinant CCL3,
Mouse, Animal-Free

CM073-5MP

CM073-20MP

CM073-100MP

CM073-500MP

CM073-1000MP



CHAMOT

乔默®生物

Specialize In Cytokines

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| 产品编号 | CM073-5MP | CM073-20MP | CM073-100MP | CM073-500MP | CM073-1000MP |
|------|-----------|------------|-------------|-------------|--------------|
| 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 3 (CCL3) is a 7.66 kDa cytokine with 69 amino acid residues. CCL3, also known as macrophage inflammatory protein 1-alpha (MIP-1-alpha), is expressed in the spleen, lung, and articular cartilage. Upon binding to the receptor, CCR1, CCR4, or CCR5, CCL3 plays a vital role in immune response, such as inflammation, recruitment of immune cells, and production of IL-1 β and TNF. In addition, CCL3 also participates in resistance to type 1 virus infection, astrocyte cell migration, regulation of macromolecule metabolic process, and regulation of ERK1 and ERK2 cascade.

| | |
|--------------|--|
| 别称 | C-C Motif Chemokine Ligand 3, MIP-1a: Macrophage Inflammatory Protein-1 α , LD78 α |
| 蛋白编码 | P10855 |
| 分子量 | The protein has a calculated MW of 8.69 kDa. The protein migrates about 11 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 10-100 ng/mL. |
| 内毒素检测 | <0.1 EU per 1 μg of the protein by the LAL method. |
| 蛋白序列 | APYGADTPTACCFYSRKIPRQFIVDYFETSSLCSQPGVIFLTKRNRQICADSKETWVQEYITDLE LNA 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 ($\geq 20 \mu\text{l}$).
- 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

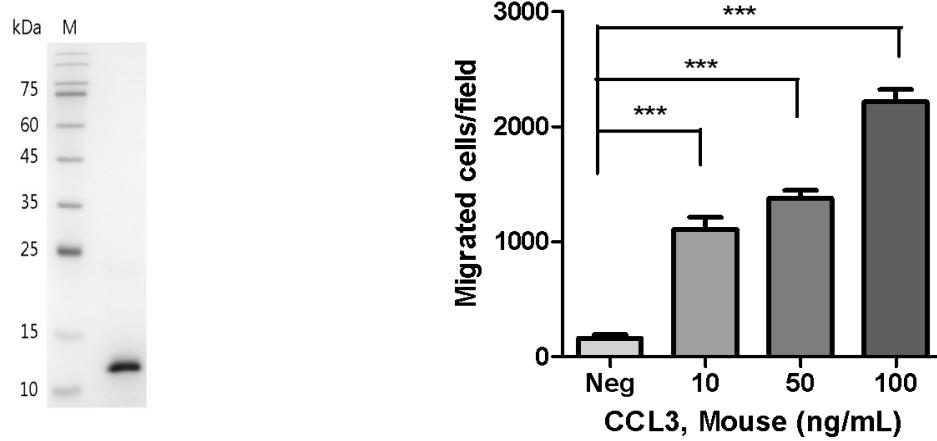
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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 CCL3, His Tag, E. coli.

SDS-PAGE analysis of recombinant mouse CCL3 Measure by its ability to chemoattract human THP1 cells using a concentration range of 10-100 ng/mL.

For Research Use or Further Manufacturing Only

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