

CHAMOT

**重组人巨噬细胞迁移抑制因子 /Recombinant MIF,
Human, Animal-Free**

CM121-5HP

CM121-20HP

CM121-100HP

CM121-500HP

CM121-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines

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重组人巨噬细胞迁移抑制因子 /Recombinant MIF, Human, Animal-Free

产品编号	CM121-5HP	CM121-20HP	CM121-100HP	CM121-500HP	CM121-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述 Macrophage migration inhibitory factor (MIF) is a pleiotropic inflammatory mediator, predicts a molecular mass of 12.5 kDa. MIF binds to CD74, a type II transmembrane protein, inducing its phosphorylation and the recruitment of CD44, which then activates SRC family non-receptor tyrosine kinases, leading to ERK1 /2 phosphorylation.

别称 macrophage migration inhibitory factor, GLIF, mMIF, GIF, Glycosylation-inhibiting factor

蛋白编码 P14174

分子量 The protein has a calculated MW of 13.28 kDa. The protein migrates as 10 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 Testing in process

内毒素检测 <0.1 EU per 1 µg of the protein by the LAL method.

蛋白序列 MPMFIVNTNVPRASVPDGFLSELTQQLAQATGKPPQYIAVHVVPDQLMAFGGSSEPCALCSL
HSIGKIGGAQNRYSKLLCGLLAERLRISPDRVYINYYDMNAANVGWNNSTFA with
polyhistidine tag at the C-terminus.

产品形式 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.

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

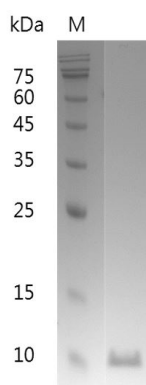
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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



SDS-PAGE analysis of recombinant human MIF

For Research Use or Further Manufacturing Only

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