

CHAMOT

重组人白细胞介素8 /Recombinant IL-8 , Human, Animal-Free

CM010-5HP



CM010-20HP



CM010-100HP



CM010-500HP



CM010-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines

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实验数据展示

重组人白细胞介素8 /Recombinant IL-8 , Human, Animal-Free

产品编号	CM010-5HP	CM010-20HP	CM010-100HP	CM010-500HP	CM010-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述 Human IL-8 (aa 28-99) predicts a molecular mass of 8.5 kDa and is the 72 amino acid residue form Ser 28 to Ser 99 of mature human IL-8. This recombinant protein is the major form secreted by macrophages. IL-8 is a chemokine produced by macrophages and other cell types such as epithelial cells, airway smooth muscle cells and endothelial cells.

别称 interleukin 8, Monocyte-Derived Neutrophil Chemotactic Factor (MDNCF), Neutrophil Activating Factor (NAF), CXCL8, C-X-C motif chemokine ligand 8, IL8

蛋白编码 P10145

分子量 The protein has a calculated MW of 9.32 kDa. The protein migrates as 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 PBMC using a concentration range of 1-10 ng/mL.

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

蛋白序列 MSAKELRCQCIKTYSKPFHPKFIKELRVIESGPHCANTEIIVKLSDGRELCLDPKENWVQRVVEK FLKRAENS 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 ($\geq 20 \mu\text{l}$).
- 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.

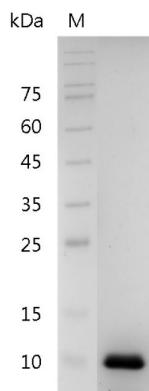
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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 IL-8

For Research Use or Further Manufacturing Only

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