

# CHAMOT

重组小鼠白细胞介素10 /Recombinant IL-10,  
Mouse, Animal-Free

CM010-5MP

CM010-20MP

CM010-100MP

CM010-500MP

CM010-1000MP



CHAMOT

乔默®生物

Specialize In Cytokines

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## 重组小鼠白细胞介素10 /Recombinant IL-10, Mouse, Animal-Free

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

### 产品简介

Interleukin-10 (IL-10), also known as cytokine synthesis inhibitory factor (CSIF), is an anti-inflammatory cytokine. Many different types of cells can produce IL-10, including immune cells and non-immune cells. IL-10 exerts inhibitory functions on DCs and macrophages, which is a potent inhibitor of antigen presentation and limit the production of the Th1-associated cytokines IL-2 and interferon- $\gamma$  (IFN- $\gamma$ ). IL-10 is also a key immunoregulator during infection due to its inhibitory effect on inflammatory cytokine production. Consequently, the excessive Th1 and CD8+ T cell responses could be suppressed during infection.

背景描述	interleukin 10, B-TCGF, CSIF, TGIF, IL10
别称	P18893
分子量	The protein has a calculated MW of 19.7 kDa. The protein migrates as 19 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 induce MC/9-2 cells proliferation. The ED <sub>50</sub> for this effect is <1 ng/mL. The specific activity of recombinant mouse IL-10 is > 1 x 10 <sup>6</sup> IU/mg.
内毒素检测	<0.1 EU per 1 µg of the protein by the LAL method.
蛋白序列	MSRGQYSREDNNCTHPVGQSHMLLELRTAFSQVKTFQTKDQLDNILLDSLMQDFKGYLG CQALSEMIQFYLVEMPQAEKHGPEIKEHLNSLGEKLKTLRMRRLRRCHRFLPCENKSKEVQV KSDFNKLQDQGVYKAMNEFDIFINCIEAYMMIKMKS 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 7.4. If you have any concerns or special requirements, please confirm with us.

## 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

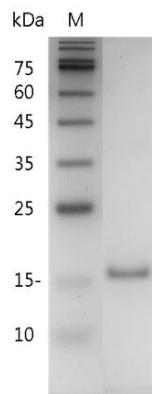
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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



SDS-PAGE analysis of recombinant mouse IL-10

For Research Use or Further Manufacturing Only

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