

# CHAMOT

重组小鼠白细胞介素6 /Recombinant IL-6, Mouse, Animal-Free

CM007-5MP



CM007-20MP



CM007-100MP



CM007-500MP



CM007-1000MP



CHAMOT

乔默®生物

Specialize In Cytokines

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## 重组小鼠白细胞介素6 /Recombinant IL-6, Mouse, Animal-Free

产品编号	CM007-5MP	CM007-20MP	CM007-100MP	CM007-500MP	CM007-1000MP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

### 产品简介

**背景描述** Interleukin-6 (IL-6) is a pleiotropic, 22-28 kDa cytokine which plays fundamental role in the acute phase response, inflammation, bone metabolism, lymphocyte differentiation and cancer progression. Deregulation of IL-6 production was also found in several diseases, including rheumatoid arthritis, Alzheimer's disease, autoimmune deficiency disease and different types of cancer.

<b>别称</b>	interleukin 6, IFN- $\beta$ 2, B-Cell Differentiation Factor (BCDF), BSF-2, HPGF, HSF, MGI-2, IL6
<b>蛋白编码</b>	P08505
<b>分子量</b>	The protein has a calculated MW of 22.7 kDa. The protein migrates as 24 kDa under reducing condition (SDS-PAGE analysis).
<b>表达系统</b>	Escherichia coli
<b>纯度</b>	>98% as determined by SDS-PAGE.
<b>生物活性</b>	Measure by its ability to induce proliferation in 7TD1 cells. The ED <sub>50</sub> for this effect is <0.01 ng/mL. The specific activity of recombinant mouse IL-6 is approximately >1x 10 <sup>8</sup> IU/mg.
<b>内毒素检测</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>蛋白序列</b>	MFPTSQVRGDFTEDTPNRPVYTTSQVGGLITHVLWEIVEMRKELCNGNSDCMNNDDALA ENNLKLPEIQRNDGCYQTGYNQEICLLKISSGLLEYHSYLEYMKNNLKDNDKDKARVLQRDTET LIHIFNQEVKDLHKIVLPTPISNALLTDKLESQKEWLRTKTIQFILKSLEFLKVTLRSTRQT with polyhistidine tag at the C-terminus.
<b>产品形式</b>	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.
<b>产品应用</b>	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 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

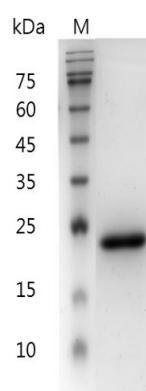
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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



## 文献引用

- AIM2 deficiency in CD4+ T cells promotes psoriasis-like inflammation by regulating Th17-Treg axis via AIM2-IKZF2 pathway. *J Autoimmun.* 2025 Jan;150:103351. (IF 7.0)(Human IL-6, TGF-β, IL-12, IL-21, IL-2, IL-4, IL-1β, IL-23; Mouse IL-6, IL-21)

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