

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.

别称

interleukin 6, IFN-β2, B-Cell Differentiation Factor (BCDF), BSF-2, HPGF, HSF, MGI-2, IL6

蛋白编码

P08505

分子量

The protein has a calculated MW of 22.7 kDa. The protein migrates as 24 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 proliferation in 7TD1 cells. The ED₅₀ for this effect is <0.01 ng/mL. The specific activity of recombinant mouse IL-6 is approximately >1x 10⁸ IU/mg.

内毒素检测

<0.1 EU per 1 µg of the protein by the LAL method.

蛋白序列

MFPTSQVRRGDFTEDTTPNRPVYTTSQVGGLITHVLWEIVEMRKELCNGNSDCMNND DALA ENNLKLP EIQ RNDG CYQTGYNQEICLLKISSGLLEYHSYLEYMKNNLKD NKKDKARVLQRDTET LIHIFNQEVKDLHKIVLPTPISNALLTDKLESQKEWLRTKTIQFILKSLEEF LKVT LRSTRQT 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

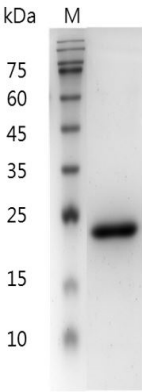
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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



文献引用

- AIM2 deficiency in CD4⁺ T cells promotes psoriasis-like inflammation by regulating Th17-Treg axis via AIM2-IRF3 pathway. J Autoimmun. 2025 Jan;150:103351. (IF 7.0)(Human IL-6, TGF- β , IL-12, IL-21, IL-2, IL-4, IL-1 β , IL-23; Mouse IL-6, IL-21)

For Research Use or Further Manufacturing Only

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