

CHAMOT

**重组猪白细胞介素10 /Recombinant IL-10, Swine,
Animal-Free**

CM007-5SP

CM007-20SP

CM007-100SP

CM007-500SP

CM007-1000SP



CHAMOT

乔默®生物

Specialize In Cytokines



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重组猪白细胞介素10 /Recombinant IL-10, Swine, Animal-Free

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

产品简介

背景描述

Interleukin 10 (IL-10) is a 17.54 kDa cytokine with 158 amino acid residues and is also known as human cytokine synthesis inhibitory factor (CSIF). IL-10 is an anti-inflammatory cytokine that is mainly secreted from monocytes, lymphocytes, and mast cells. IL-10 participates in the survival, proliferation, and antibody production of B cell via the JAK-STAT signaling pathway and suppress pro-inflammatory cytokine secretion by blocking the NF-κB signaling pathway.

别称

interleukin 10, B-TCGF, CSIF, TGIF

蛋白编码

Q29055

分子量

The protein has a calculated MW of 19.05 kDa. The protein migrates as 17-25 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 MC/9-2 cells. The ED₅₀ for this effect is <5 ng/mL.

内毒素检测

<0.01 EU per 1 µg of the protein by the LAL method.

蛋白序列

MSIKSENSCIHFPTSLPHMLRELRAAFGPVKSFFQTKDQMGDLLLTGSLLEDFKGYLGQCQALSE
MIQFYLEDVMPKAESDGEDIKEHVNSLGEKLTLLRLRRCHQFLPCENKSKAVEEVKSAFSKL
QERGVIKAMGEFDIFINYIEAYMTMKMRKN 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

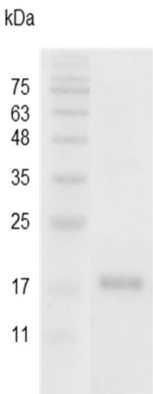
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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



For Research Use or Further Manufacturing Only

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