

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

背景描述

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- γ (IFN- γ). 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.

别称

interleukin 10, B-TCGF, CSIF, TGIF, IL10

蛋白编码

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 ED₅₀ for this effect is <1 ng/mL. The specific activity of recombinant mouse IL-10 is > 1 x 10⁶ IU/mg.

内毒素检测

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

蛋白序列

MSRGQYSREDNNCTHFPVGQSHMLLELR TAFS QVKTF FQTKDQLDNILLTDSL MQDFKGYLG
CQALSEMIQFYLVEMPQA EKHGPEIKEHLNSLGEK LKTLRMRLRRCHRFLPCENKSKAVEQV
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 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

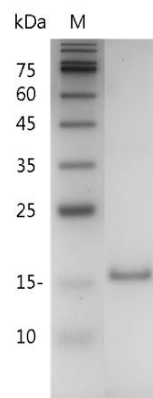
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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



SDS-PAGE analysis of recombinant mouse IL-10

For Research Use or Further Manufacturing Only

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