

CHAMOT

**重组小鼠白细胞介素22 /Recombinant IL-22,
Mouse, Animal-Free**

CM019-5MP

CM019-20MP

CM019-100MP

CM019-500MP

CM019-1000MP



CHAMOT

乔默®生物

Specialize In Cytokines



CONTENT

1 产品简介

2 产品使用

3 产品储存/运输

4 实验数据展示

重组小鼠白细胞介素22 /Recombinant IL-22, Mouse, Animal-Free

产品编号	CM019-5MP	CM019-20MP	CM019-100MP	CM019-500MP	CM019-1000MP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述

Interleukin 22 (IL-22) is an α -helical cytokine, predicts a molecular mass of 16.9 kDa. It is produced by T-helper (Th)-17 cells, $\gamma\delta$ T cells, NKT cells and newly described innate lymphoid cells (ILCs). Effects involve stimulation of cell survival, proliferation and synthesis of antimicrobials including S110, Reg3 β , Reg3 γ and defensins.

别称

interleukin 22, IL-TIF, Cytokine ZCYTO18, If2b1, ILTIFa, IL22

蛋白编码

Q9JJY9

分子量

The protein has a calculated MW of 17.58 kDa. The protein migrates about 17 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 IL-10 secretion in COLO205 cells. The ED₅₀ for this effect is <0.3 ng/mL.

内毒素检测

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

蛋白序列

MLPVNTRCKLEVSNFQQPYIVNRTFMLAKEASLADNNTDVRLLIGEKLFRGVSAKDQCYLKMQ
VLNFTLEDVLLPQSDRFQPYMQEVVPFLTKLSNQLSSCHISGDDQNIQKNVRLKETVKKLGE
SGEIKAI GELDLLFMSLRNACV 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

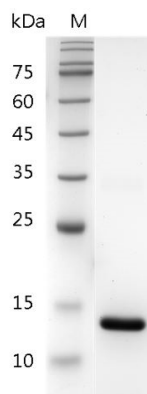
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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



SDS-PAGE analysis of recombinant mouse IL-22

For Research Use or Further Manufacturing Only

Chamot Biotechnology(Shanghai) Co., Ltd. www.chamot-bio.com

Tel: 021-51880030 Mail: info@chamot-bio.com QQ: 864920491