

CHAMOT

重组人白细胞介素23 p19 /Recombinant IL-23 p19,
Human, Animal-Free

CM027-5HP



CM027-20HP



CM027-100HP



CM027-500HP



CM027-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines

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重组人白细胞介素23 p19 /Recombinant IL-23 p19, Human, Animal-Free

产品编号	CM027-5HP	CM027-20HP	CM027-100HP	CM027-500HP	CM027-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述

Interleukin 23 p19(IL-23p19) predicts a molecular mass of 20.7 kDa. Interleukin 23 is a heterodimeric cytokine composed of an IL-12p40 subunit that is shared with IL-12 and the IL-23p19 subunit. The receptor of IL23 is formed by the beta 1 subunit of IL12 (IL12RB1) and an IL23 specific subunit, IL23R. Both IL23 and IL12 can activate the transcription activator STAT4 and stimulate the production of interferon-gamma (IFN-gamma).

别称

interleukin 23 p19, IL-23, IL-23A, SGRF, IL23

蛋白编码

Q9NPF7

分子量

The protein has a calculated MW of 19.49 kDa. The protein migrates as 17 kDa under reducing condition (SDS-PAGE analysis).

表达系统

Escherichia coli

纯度

>95% as determined by SDS-PAGE.

生物活性

Measured by its ability to induce IL-17 secretion in mouse splenocytes. The ED₅₀ for this effect is <0.5 ng/mL.

内毒素检测

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

蛋白序列

RAVPGGSSPAWTQCQQQLSQKLCTLAWSAHPLVGHMDLREEGDEETTNDVPHIQCGDGCDP
 QGLRDNSQFCLQRIHQQLIFYEKLLGSDIFTGEPSLLPDSPVGQLHASLLGLSLLQPEGHHWE
 TQQIPSLSPSQPWQRLLLRFKILRSLQAFVAVAARVFAHGAATLSP with polyhistidine tag at
 the N-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 ($\geq 20 \mu\text{l}$).
- 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

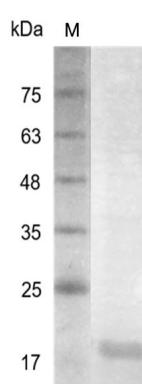
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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

- Interferon- α regulates abnormally increased expression of RSAD2 in Th17 and Tfh cells in systemic lupus erythematosus patients. *Eur J Immunol.* 2023 May 13;e2350420. (IF 6.688) (Human IL-1 β , IL-6, IL-12, IL-21, IL-23, TGF- β)
- 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-1 β , IL-23; Mouse IL-6, IL-21)

For Research Use or Further Manufacturing Only

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