

CHAMOT

**重组人白细胞介素17A /Recombinant IL-17A,
Human, Animal-Free**

CM018-5HP

CM018-20HP

CM018-100HP

CM018-500HP

CM018-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines

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重组人白细胞介素17A /Recombinant IL-17A, Human, Animal-Free

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|------|-----------|------------|-------------|-------------|--------------|
| 产品编号 | CM018-5HP | CM018-20HP | CM018-100HP | CM018-500HP | CM018-1000HP |
| 规格 | 5 µg | 20 µg | 100 µg | 500 µg | 1 mg |

产品简介

背景描述

Interleukin 17A (IL-17A) predicts a molecular mass of 35 kDa, encoded IL17A gene is a proinflammatory cytokine produced by activated T cells. This cytokine regulates the activities of NF-kappa B and mitogen-activated protein kinases.

别称

interleukin 17A, CTLA-8, IL17, IL17A

蛋白编码

Q16552

分子量

The protein has a calculated MW of 16.47 kDa. The protein migrates as 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-6 secretion in 3T3 cells. The ED₅₀ for this effect is <6 ng/mL.

内毒素检测

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

蛋白序列

MIVKAGITIPRNP GCPNSEDKNFPRTVMVNLNIHNRNTNTNPKRSSDYNNRSTSPWNLHRN
EDPERYPSVIWEAKCRHLGCINADGNVDYHMNSVPIQQEILVLRREPPHCPNSFRLEKILVSVG
CTCVTPIVHHVA 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.

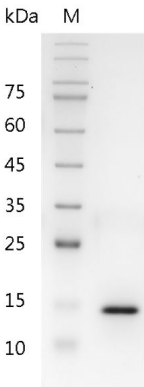
3. Extended Storage

- 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

| | |
|----|--|
| 储存 | Lyophilized Protein: Store at -20°C for 1 year. |
| | 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 human IL-17A

文献引用

- Effect of fecal microbiota transplantation on diabetic wound healing through the IL-17A–mTOR–HIF1 α signaling axis. Appl Environ Microbiol. 2025 Mar 19;91(3):e0201924. (IF 3.9)(Human IL-17A)

For Research Use or Further Manufacturing Only

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