

CHAMOT

重组猪白细胞介素17A /Recombinant IL-17A,
Swine, Animal-Free

CM009-5SP



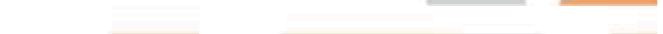
CM009-100SP



CM009-500SP



CM009-1000SP



CHAMOT

乔默®生物

Specialize In Cytokines

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重组猪白细胞介素17A /Recombinant IL-17A, Swine, Animal-Free

产品编号	CM009-5SP	CM009-20SP	CM009-100SP	CM009-500SP	CM009-1000SP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述

Interleukin 17-alpha (IL-17A) is a 14.54 kDa cytokine with 131 amino acid residues and is also referred to as CTLA-8. IL-17A is a proinflammatory cytokine mainly expressed in Th 17 cells, NK cells, and innate lymphoid cells (ILCs). After binding to the IL-17 receptor, IL-17A stimulates the production of IL-6, cyclooxygenase-2 (COX-2), and nitric oxide (NO) by activating NF-κB and MAPK signaling pathways. In addition, it also plays an essential role in against infection of extracellular bacteria and fungi by inducing epithelial cells to produce antimicrobial peptides.

别称

interleukin 17A, IL17A

蛋白编码

XP_047652691.1

分子量

The protein has a calculated MW of 15.81 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

Testing in process

内毒素检测

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

蛋白序列

MGIMIPQSPGCPKTEDKNFPQHVRVNLNILNRSTPARRPSDYSKRSTSPWTLQRNEDPERYPS
VIWEAKCSHSGCINAEGKEDHHMNSVPIQQEILVLRREPRHCPNSFRLEKVMVTVGCTCVTPI
VRHIS 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 ($\geq 20 \mu\text{l}$).
- 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

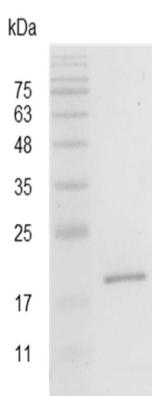
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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



For Research Use or Further Manufacturing Only

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