

# CHAMOT

重组猪白细胞介素2 /Recombinant IL-2, Swine, Animal-Free

CM003-5SP



CM003-20SP



CM003-100SP



CM003-500SP



CM003-1000SP



CHAMOT

乔默®生物

Specialize In Cytokines

# CONTENTS

1 产品简介

2 产品使用

3 产品储存/运输

4 实验数据展示

## 重组猪白细胞介素2 /Recombinant IL-2, Swine, Animal-Free

产品编号	CM003-5SP	CM003-20SP	CM003-100SP	CM003-500SP	CM003-1000SP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

### 产品简介

#### 背景描述

Interleukin-2 (IL-2) is a four bundle, immuno-modulatory cytokine which is expressed predominately by antigen-simulated CD4+ T cells, CD8+ T cells, natural killer (NK) cells, and dendritic cells (DC). IL-2 plays a fundamental role in promoting NK cell proliferation, cytotoxicity, and B cells differentiation. IL-2 modulates T cell differentiation programs, promoting naïve CD4+ T cell differentiation into T helper-1 (Th1) and T helper-2 (Th2) cells.

#### 别称

interleukin 2, T-cell Growth Factor (TCGF), Aldesleukin, POIL2

#### 蛋白编码

P26891

#### 分子量

The protein has a calculated MW of 16.2 kDa. The protein migrates as 13 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 proliferation in CTLL2 cells. The ED<sub>50</sub> 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

MAPTSSSTKNTKKQLEPLLLDLQLLLKEVKNYENADLSRMLTFKFYMPKQATELKHLQCLVEEL  
KALEGVNLGQSKNSDSANIKESMNNINVTVLEKGSETSFKCEYDDETVAEFLNKWITFCQ  
SIYSTLT 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 H<sub>2</sub>O 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.

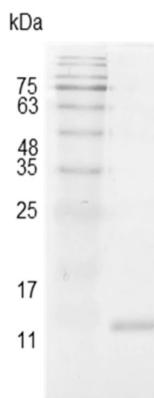
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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 swine IL-2

For Research Use or Further Manufacturing Only

Chamot Biotechnology(Shanghai) Co., Ltd. [www.chamot-bio.com](http://www.chamot-bio.com)

Tel: 021-51880030 Mail: [info@chamot-bio.com](mailto:info@chamot-bio.com) QQ: 864920491