

# CHAMOT

**重组小鼠白细胞介素3 /Recombinant IL-3, Mouse,  
Animal-Free**

CM004-5MP

CM004-20MP

CM004-100MP

CM004-500MP

CM004-1000MP



CHAMOT

乔默®生物

*Specialize In Cytokines*

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## 重组小鼠白细胞介素3 /Recombinant IL-3, Mouse, Animal-Free

|      |           |            |             |             |              |
|------|-----------|------------|-------------|-------------|--------------|
| 产品编号 | CM004-5MP | CM004-20MP | CM004-100MP | CM004-500MP | CM004-1000MP |
| 规格   | 5 µg      | 20 µg      | 100 µg      | 500 µg      | 1 mg         |

### 产品简介

#### 背景描述

Interleukin-3 (IL-3) is a pleiotropic cytokine which can stimulates the survival, differentiation and proliferation of committed progenitor cells, including megakaryocyte, granulocyte-macrophage, erythroid, eosinophil, basophil and mast cell lineages. IL-3 also enhances phagocytosis and antibody-mediated cellular cytotoxicity. IL-3 binds to IL-3R (IL-3 receptor), which is composed of a unique  $\alpha$  subunit (IL-3R $\alpha$ ) and a common  $\beta$ -subunit ( $\beta$ c).

#### 别称

interleukin 3, MCGF (Mast Cell Growth Factor), Multi-CSF, HCGF, P-cell stimulation factor, Interleukin-3b, BPA, PSF, Csfmu, IL3

#### 蛋白编码

P01586

#### 分子量

The protein has a calculated MW of 16.04 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 and SEC-HPLC.

#### 生物活性

Measure by its ability to induce NFS-60 cells proliferation. The ED<sub>50</sub> for this effect is <85 pg/mL. The specific activity of recombinant mouse IL-3 is approximately >1x 10<sup>7</sup> IU/mg.

#### 内毒素检测

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

#### 蛋白序列

MDTHRLTRLNCSSIVKEIIGKLPEPELKTDDGPSLRNKSFRRVNLSKFVESQGEVDPEDRYVIK  
SNLQKLNCLPTSANDSALPGVFIRDLDLDFRKKLRFYVMVHLNDLETVLTSRPPQPASGSVSPN  
RGTVEC 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 (≥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

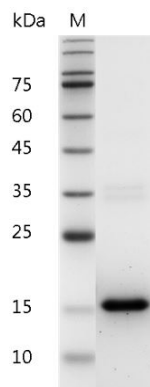
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**Extended Storage:** Store at -20°C or -80°C for 3 to 6 months with a carrier protein or stabilizer.

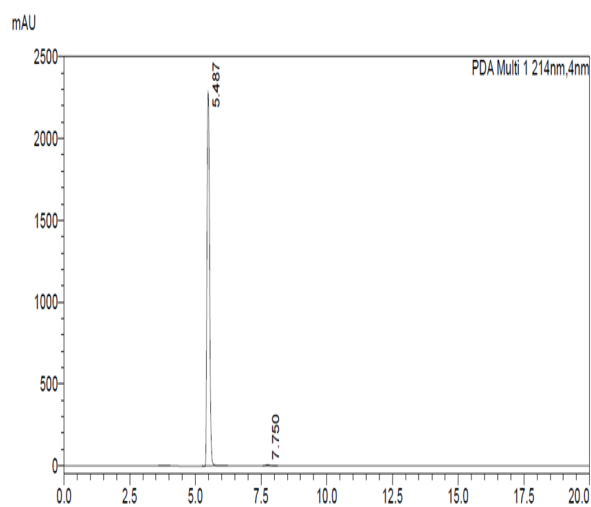
### 运输

Blue Ice

## 实验数据展示



SDS-PAGE analysis of recombinant mouse IL-3



The purity of recombinant mouse IL-3 is greater than 98% as determined by SEC-HPLC.

For Research Use or Further Manufacturing Only

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