

# CHAMOT

重组犬细胞毒性T淋巴细胞相关蛋白4 /Recombinant  
CTLA-4, Canine, HEK293, Animal-Free

CM002-5CP



CM002-20CP



CM002-100CP



CM002-500CP



CM002-1000CP



CHAMOT

乔默®生物

Specialize In Cytokines

# CONTENT

1

产品简介

2

产品使用

3

产品储存/运输

4

实验数据展示

## 重组犬细胞毒性T淋巴细胞相关蛋白4 /Recombinant CTLA-4, Canine, HEK293, Animal-Free

产品编号	CM002-5CP	CM002-20CP	CM002-100CP	CM002-500CP	CM002-1000CP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

### 产品简介

#### 背景描述

CTLA-4 is a protein belonging to the immunoglobulin superfamily and the CD28 receptor family. It interacts with CD80 (B7-1) and CD86 (B7-2) to transmit inhibitory signals to T cells, in contrast to CD28, which sends stimulatory signals. This receptor is also found within regulatory T cells, where it plays a vital role in their functions. CTLA-4 is a key regulator of T cell activation, making it an appealing candidate for autoimmune disease therapy and cancer immunotherapy. Recent evidence further highlights its importance in the function and balance of regulatory T cells (Treg).

#### 别称

CD152

#### 蛋白编码

NP\_001003106.1

#### 分子量

The protein has a calculated MW of 14 kDa. The protein migrates as 18-23 kDa under reducing condition (SDS-PAGE analysis).

#### 表达系统

HEK293 cell

#### 纯度

>90% as determined by SDS-PAGE analysis.

#### 生物活性

Testing in process

#### 内毒素检测

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

#### 蛋白序列

A DNA sequence encoding Canine CTLA-4 Protein (#NP\_001003106.1)(Lys36-Asp161) was expressed 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.

### 储存

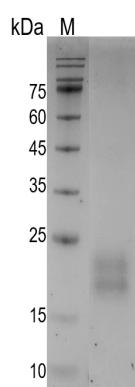
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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 canine CTLA-4

For Research Use or Further Manufacturing Only

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