

# CHAMOT

**重组小鼠4-1BB配体 /Recombinant 4-1BBL,  
Mouse, Animal-Free**

**CM055-5MP**



**CM055-20MP**



**CM055-100MP**



**CM055-500MP**



**CM055-1000MP**



**CHAMOT**

乔默®生物

*Specialize In Cytokines*

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## 重组小鼠4-1BB配体 /Recombinant 4-1BBL, Mouse, Animal-Free

产品编号	CM055-5MP	CM055-20MP	CM055-100MP	CM055-500MP	CM055-1000MP
规格	5 μg	20 μg	100 μg	500 μg	1 mg

### 产品简介

4-1BB ligand (4-1BBL) is a type II transmembrane protein that is part of the tumor necrosis factor (TNF) ligand family. As an inducible co-stimulatory molecule, it presents on several antigen presenting cell (APC) types, including B cells, macrophages and DCs. The interactions between 4-1BB and 4-1BBL trigger pleiotropic effects on the immune response including antigen presenting process, proliferation of CD4 and CD8 positive T-cells, as well as cytokine secretion from T-cells through NFκB, c-Jun, and p38 downstream signal pathways activation. Therefore, 4-1BB and 4-1BBL are recently used for the immunotherapy of cancer.

#### 背景描述

别称 4-1BB ligand, 4-1BB, 4-1BB-L, 4-1BBL, AI848817, Cd137, Cd137I, Ly6, Ly63I, tumor necrosis factor (ligand) superfamily, member 9 , Tnfsf9

#### 蛋白编码

P41274

#### 分子量

The protein has a calculated MW of 23.9 kDa. The protein migrates as 24 kDa under reducing condition (SDS-PAGE analysis).

#### 表达系统

Escherichia coli

#### 纯度

>95% as determined by SDS-PAGE.

#### 生物活性

Measure by its ability to induce IL-2 secretion in mouse T cells in the presence of the anti-CD3 antibody. The ED<sub>50</sub> for this effect is <0.05 μg/mL.

#### 内毒素检测

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

#### 蛋白序列

MRTEPRPALTITSPNLGTRENNADQVTPVSHIGCPNTTQQGSPVFAKLLAKNQASLCNTTLN  
 WHSQDGAGSSYLSQGLRYEEDKELVVDSPGLYYVLELKLSPTFTNTGHKVQGWVSLVQAK  
 PQVDDFDNLALTVELFPCSMENKLVDRSWSQLLLKAGHRLSGLRAYLHGAQDAYRDWELS  
 YPNTTSFGLFLVKPDNPWE 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

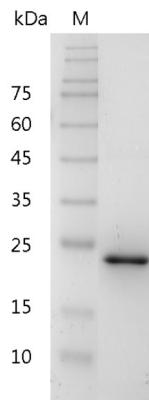
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**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 mouse 41BBL

For Research Use or Further Manufacturing Only

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