

CHAMOT

重组人半乳糖凝集素-1 /Recombinant Galectin-1, Human, Animal-Free

CM148-5HP

CM148-20HP

CM148-100HP

CM148-500HP

CM148-1000HP



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

重组人半乳糖凝集素-1 /Recombinant Galectin-1, Human, Animal-Free

产品编号	CM148-5HP	CM148-20HP	CM148-100HP	CM148-500HP	CM148-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述

Galectin-1 (Gal-1) is a lectin family member. Galectin-1 contains one carbohydrate recognition domain (CRD), responsible for β -galactoside binding, and is biologically active as homodimers. Several binding partners for galectin-1 have been identified, including CD45, CD43, CD69, pre-BCR, and vascular endothelial Growth Factors R2. Galectin-1 is constitutively presented in the immune system and other tissues, contributing to cell growth, proliferation, and apoptosis. The galectin-1 plays a central role in regulating acute and chronic inflammatory responses.

别称

Beta-galactoside-binding lectin L-14-I, Galaptin, 14 kDa lectin, S-LAC lectin-1

蛋白编码

P09382

分子量

The protein has a calculated MW of 15.5 kDa. The protein migrates as 15 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

Measured by its ability to chemoattract human THP1 cells using a concentration range of 2.5-25 µg/mL.

内毒素检测

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

蛋白序列

ACGLVASNLNLKPGCELRVRGEVAPDAKSFVLNLGKDSNNLCLHFNPRFNAHGDANTIVCNS
KDGGAWGTEQREAVFPFQPGSVAEVCITFDQANLTVKLPDGYEFKFPNRLNLEAINYMAADG
DFKIKCVAFD with polyhistidine tag at the N-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 (≥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

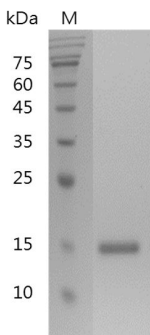
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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



For Research Use or Further Manufacturing Only

Chamot Biotechnology(Shanghai) Co., Ltd. www.chamot-bio.com

Tel: 021-51880030 Mail: info@chamot-bio.com QQ: 864920491