

CHAMOT

重组人半乳糖凝集素-14 /Recombinant Galectin-14, Human, Animal-Free

CM158-5HP

CM158-20HP

CM158-100HP

CM158-500HP

CM158-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines



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重组人半乳糖凝集素-14 /Recombinant Galectin-14, Human, Animal-Free

产品编号	CM158-5HP	CM158-20HP	CM158-100HP	CM158-500HP	CM158-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述

Galectin-14 (Gal-14) is a lectin family member and is one of the prototype galectins. It contains one carbohydrate recognition domain (CRD), responsible for β -galactoside binding, and is biologically active as homodimers. Galectin-14 is like Galectin-13, which is expressed in the placenta, contributing to T cell apoptosis, immune regulation, and immune tolerance, which is indispensable for fetal development. The galectin-14 enhances trophoblast migration and invasion via promoting the expression of MMP-9 and N-cadherin in the Akt pathway. Furthermore, galectin-14 stimulates the production of IL-8 in non-activated T cells, which associate with angiogenesis at the maternal-fetal interface.

别称

LGALS14, CLC2, PPL13

蛋白编码

Q8TCE9

分子量

The protein has a calculated MW of 16.9 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.

生物活性

Measure by its ability to chemoattract human THP1 cells using a concentration range of 0.5-2.5 µg/mL.

内毒素检测

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

蛋白序列

SSLVPYPTLPVSLPVGSCVIITGTPILTFVKDPQLEVNFTGMDSDIAFQFRLHFGHPAIMNSCVFGIWRYYEKCYYLPFEDGKPFELCIYVRHKEYKVMVNGQRIYNFAHRFPASPVKMLQVFRDISLTRVLISD 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

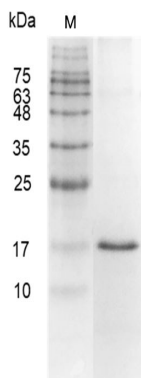
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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

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