

CHAMOT

Recombinant Human Galectin- 9

CM154-5HP
CM154-20HP
CM154-100HP
CM154-500HP
CM154-1000HP



CHAMOT

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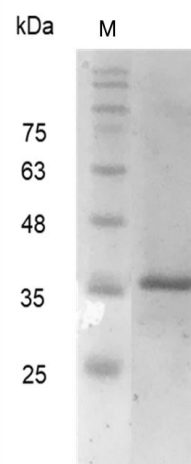
Recombinant Human Galectin-9

编号:	CM154-5HP CM154-20HP CM154-100HP CM154-500HP CM154-1000HP	规格:	5 µg 20 µg 100 µg 500 µg 1 mg
类别:	重组蛋白	应用:	Functional Assay

产品简介

描述: Galectin-9 is belonging to the lectin family, that containing total 15 mammalian lectin members. Similar to other galectins, There is a carbohydrate recognition binding domain that enables Galectin-9 binding to β -galactosides specifically. Most galectins are either bivalent or multivalent regarding their carbohydrate binding capacity, which enables the recognition of distinct signaling pathways. Galectin-9 may be retained intracellularly or transported to the cell surface where it can be cleaved to generate a soluble form. Galectin-9 functions in effector and regulatory phases of the immune response. During inflammation, the production of Galectin-9 in vivo generates a microenvironment that limits effector T cell responses. Galectin-9 can negatively regulate the Th1 immune response by engaging TIM-3 on T cells, which leads to induction of intracellular Ca^{2+} influx and activation of apoptosis pathways.

来源: *Escherichia coli*
纯度: >98% as determined by SDS-PAGE.
生物学活性: Measure by its ability to chemoattract human THP1 cells using a concentration range of 0.5-2.5 µg/mL.



SDS- PAGE analysis of recombinant human Galectin-9

内毒素检测: < 0.1 EU per 1 µg of the protein
by the LAL method.

蛋白序列: AFSGSQAPYLSPAVPFSGTIQGGLQDGLQITVNGTVLSSSGTRFAVNFQTGFSGNDIAFHFNPRFEDGGYVVCNTRQNGSWGPEERKTHMPFQKGMFDFLCFLVQSSDFKVMVNGILFVQYFHRVPFHRVDTISVNGSVQLSYISFQPPGVWPANPAPITQTVIHTVQSAPGQMFSTPAIPPMYPHPAYPMPFITTLGGLYPSKSILLSGTVLP
SAQRFHINLCSGNHIAFHLNPRFDENAVVRNTQIDNSWGSEERSLPRKMPFVRGQSFSVWILCEAHCLKVAVDGQHLEFYHRLRNLPTINRLEVGGDIQLTHVQT
with polyhistidine tag at the N-terminus

产品组成

成分: 从含有 1X PBS, pH 7.4 溶液中冻干的蛋白质.

产品储存/运输

产品形式	储存温度	储存时间
冻干粉	-20°C至-80°C	自收到之日起1年
重悬液 (初始)	2°C至8°C	不超过1周
重悬液 (经稀释)	-20°C至-80°C	3到6个月

运输方式: 蓝冰

产品使用

- 1、开盖前, 建议3000-3500rpm离心5min。
- 2、推荐使用无菌水重悬冻干粉, 溶液浓度不低于100µg/mL, 不高于1mg/mL, 并室温静置至少20min以充分溶解。勿涡旋剧烈振荡。
- 3、重悬后的溶液, 2-8°C无菌保存不超过1周。
- 4、如需长期保存, 推荐使用无菌的含载体蛋白 (如0.1%BSA、10%FBS 或5%HSA) 的溶液进一步稀释 (不低于10ug/mL) 后分装保存, -20°C至-80°C无菌保存3到6个月。无血清实验需求时, 可更换为 5%海藻糖溶液作为载体。避免反复冻融。

WB= Western Blot; IP= Immunoprecipitation; IF= Immunofluorescence; IHC= Immunohistochemistry;
FACS= Fluorescence activated Cell Sorting; FA= Functional Assay