

CHAMOT

Recombinant Human IL-18

CM022-5HP
CM022-20HP
CM022-100HP
CM022-500HP
CM022-1000HP



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喬默生物技術(上海)有限公司
CHAMOT BIOTECHNOLOGY CO., LTD.

CONTENT

1 产品简介

2 产品组成

3 产品储存

4 产品使用

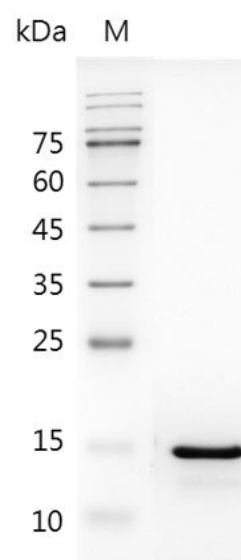
Recombinant Human IL-18 (Interleukin-18)

编号:	CM022-5HP CM022-20HP CM022-100HP CM022-500HP CM022-1000HP	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: Interleukin-18 (IL-18) is a cytokine that belongs to the IL-1 superfamily and is produced by macrophages and other cells. IL-18 works by binding to the interleukin-18 receptor, and together with IL-12 it induces cell-mediated immunity following infection with microbial products like lipopolysaccharide (LPS). After stimulation with IL-18, natural killer (NK) cells and certain T cells release another important cytokine called interferon- γ (IFN- γ) or type II interferon that plays an important role in activating the macrophages or other cells. The combination of this cytokine and IL12 has been shown to inhibit IL-4 dependent IgE and IgG1 production, and enhance IgG2a production in B cells. IL-18 binding protein (IL18BP) can specifically interact with this cytokine, and thus negatively regulate its biological activity.

来源: *Escherichia coli*
纯度: >95% as determined by SDS-PAGE.
生物学活性: Measure by its ability to induce IFN gamma secretion in KG-1 cells. The ED₅₀ for this effect is < 6 ng/mL. The specific activity of recombinant human IL-18 is > 1 x 10⁷ IU/mg.



SDS-PAGE analysis of recombinant human IL-18

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

蛋白序列: MYFGKLESKLSVIRNLNDQVLFIDQG
NRPLFEDMTDSDCRDNAPRTIFIISMY
KDSQPRGMAVTISVKCEKISTLSCENK
IISFKEMNPPDNIKDTKSDIIFQRSVP
GHDNKMQFESSYEGYFLACEKERDL
FKLILKKEDELGDRSIMFTVQNED

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