

CHAMOT

Recombinant Mouse IL-13

CM036-5MP
CM036-20MP
CM036-100MP
CM036-500MP
CM036-1000MP



CHAMOT

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 Mouse IL-13 (Interleukin-13)

编号:	CM036-5MP CM036-20MP CM036-100MP CM036-500MP CM036-1000MP	规格:	5 µg 20 µg 100 µg 500 µg 1 mg
类别:	重组蛋白	应用:	Functional Assay

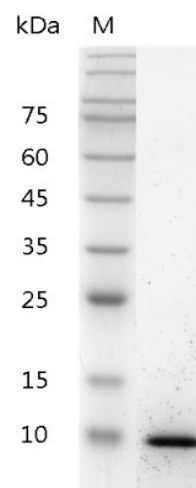
产品简介

描述: Interleukin 13 (IL-13) is a protein that in humans is encoded by the IL13 gene. IL-13 was first cloned in 1993 and is located on chromosome 5q31 with a length of 1.4kb. It has a mass of 13 kDa and folds into 4 alpha helical bundles. The secondary structural features of IL-13 are similar to that of Interleukin 4 (IL-4); however it only has 25% sequence homology to IL-4 and is capable of IL-4 independent signaling. IL-13 is a cytokine secreted by T helper type 2 (Th2) cells, CD4 cells, Natural killer T cell, Mast cell, Basophil cells, Eosinophil cells and Nuocyte cells. Interleukin-13 is a central regulator in IgE synthesis, goblet cell hyperplasia, mucus hypersecretion, airway hyperresponsiveness, fibrosis and chitinase up-regulation. It is a mediator of allergic inflammation and different diseases including asthma.

来源: *Escherichia coli*

纯度: >95% as determined by SDS-PAGE. Ni-NTA chromatography.

生物学活性: Measure by its ability to induce TF-1 cells proliferation. The ED₅₀ for this effect is < 10 ng/mL.



SDS-PAGE analysis of recombinant mouse IL-13

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

蛋白序列: MPVPRSVSLPLTLKELIEELSNITQDQT
 PLCNGSMVWSVDLAAGGFCVALDSL
 TNISNCNAIYRTQRILHGLCNRKAPTT
 VSSLPDTKIEVAHFITKLLSYTKQLFRH
 GPF with polyhistidine tag at the C-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