

Recombinant Human IL-4 (Interleukin-4)

编号:	PY2245	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: The interleukin 4 (IL4, IL-4) is a cytokine that induces differentiation of naive helper T cells (Th0 cells) to Th2 cells. Upon activation by IL-4, Th2 cells subsequently produce additional IL-4 in a positive feedback loop. The cell that initially produces IL-4 , thus inducing Th2 differentiation, has not been identified, but recent studies suggest that basophils may be the effector cell. It is closely related and has functions similar to Interleukin 13.

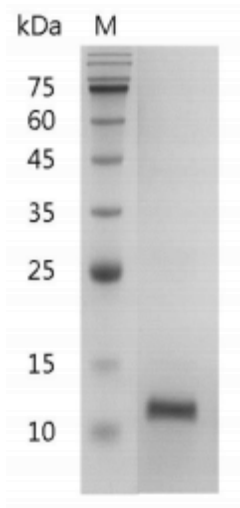
来源: *Escherichia coli*

纯度: >98% 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 <0.2 ng/mL. The specific activity of recombinant human IL-4 is approximately >2.8 x 10⁷ IU/mg.

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

蛋白序列: MHKCDITLQEIIKTLNSLTEQKTLCTEL
TVTDIFAASKNTTEKETFCRAATVLRQ
FYSHHEKDTRCLGATAQQFHRHKQLI
RFLKRLDRNLWGLAGLNSCPVKEAN
QSTLENFLERLKTIMREKYSKCSS with polyhistidine tag at the C-terminus



SDS- PAGE analysis of recombinant human IL-4

产品组成

成分：从含有 1X PBS， pH 8.0 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℃至-80℃	自收到之日起1年
重悬液（初始）	2℃至8℃	不超过1周
重悬液（经稀释）	-20℃至-80℃	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℃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℃至 -80℃可无菌保存 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