

CHAMOT

Recombinant Human IL-3

CM005-5HP
CM005-20HP
CM005-100HP
CM005-500HP
CM005-1000HP



CHAMOT

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Recombinant Human IL-3 (Interleukin-3)

编号:	CM005-5HP CM005-20HP CM005-100HP CM005-500HP CM005-1000HP	规格:	5 µg 20 µg 100 µg 500 µg 1 mg
类别:	重组蛋白	应用:	Functional Assay

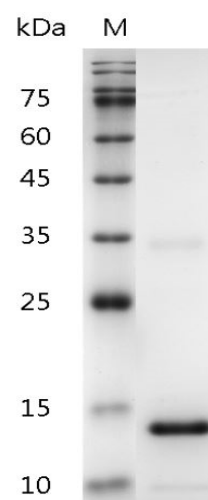
产品简介

描述: Interleukin 3 is an interleukin, a type of biological signal (cytokine) that can improve the body's natural response to disease as part of the immune system. It acts by binding to the interleukin-3 receptor. Interleukin 3 stimulates the differentiation of multipotent hematopoietic stem cells into myeloid progenitor cells or, with the addition of IL-7, into lymphoid progenitor cells. In addition, IL-3 stimulates proliferation of all cells in the myeloid lineage (granulocytes, monocytes, and dendritic cells), in conjunction with other cytokines, e.g., Erythropoietin (EPO), Granulocyte macrophage colony-stimulating factor (GM-CSF), and IL-6. It is secreted by basophils and activated T cells to support growth and differentiation of T cells from the bone marrow in an immune response.

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 <0.15 ng/mL. The specific activity of recombinant human IL-3 is approximately >1.2 x 10⁶ IU/mg.



SDS-PAGE analysis of recombinant human IL-3

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

蛋白序列: MAPMTQTTS�KTSWVNCSNMIDEIITHLK
 QPPLPLLDNFNNLNGEDQDILMENNLRPN
 LEAFNRAVKSLQNASAIESILKNLLPCLPLAT
 AAPTRHPHDKDGDWNEFRRLTFYKLTLEN
 AQAQQTTLAIF with polyhistidine tag at the C-terminus

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°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