

CHAMOT

Recombinant IL-3 beta, Human, GMP

CM005-100HPG
CM005-1000HPG



CHAMOT

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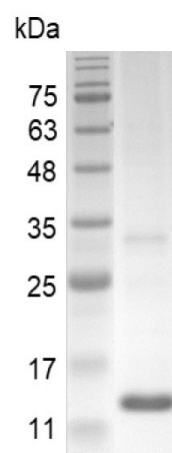
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Recombinant IL-3 (Interleukin-3), Human, GMP

编号:	CM005-100HPG CM005-1000HPG	规格:	100 µg 1 mg
类别:	重组蛋白	应用:	Functional Assay

产品简介

描述: Interleukin-3 (IL-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 IL-3 receptor. IL-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.



SDS-PAGE analysis of recombinant IL-3 Human, GMP

来源: *Escherichia coli*.
Animal-free reagent and laboratory.
Manufactured and tested under GMP guideline.

纯度: >98% as determined by SDS-PAGE analysis.

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.



内毒素检测: <0.05 EU per 1 µg of the protein by the LAL method.

蛋白序列: MAPMTQTTS�KTSWVNCSNMIDEIITHLKQPP
LPLDFNNLNGEDQDILMENNLRPNLEAFNR
AVKSLQNASAIESILKNLLPCLPLATAAPTRHPI
HIKDGDWNEFRRKLTfYlKTLENAQAQQTTLSL
AIF 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,
无任何动物源性成分.

产品储存

储存: -20°C冻干粉保存 1 年.

运输: 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500µg/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。

产品规范

CHAMOT GMP recombinant proteins are manufactured in ISO 13485:2016 and GMP certified facility. The processes include:

- ★Testing and traceability of raw material
- ★Records of the maintenance and equipment calibration
- ★Personnel training records
- ★Batch-to-batch consistency
- ★Documentation of QA control and process changes
- ★Manufactured and tested under an ISO 13485:2016 certified quality management system
- ★Stability monitor of product shelf-life

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

CHAMOT Biotechnology (Shanghai) Co., Ltd.

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