

CHAMOT

Recombinant Human IL-2

CM004-20HP
CM004-100HP
CM004-500HP
CM004-1000HP



CHAMOT

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Recombinant Human IL-2 (Interleukin-2)

编号:	CM004-20HP CM004-100HP CM004-500HP CM004-1000HP	规格:	20 µg 100 µg 500 µg 1 mg
类别:	重组蛋白	应用:	Functional Assay

产品简介

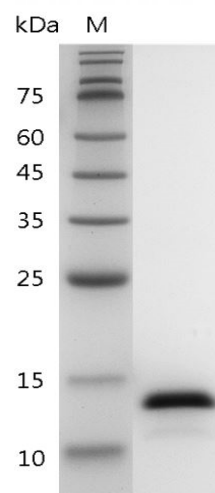
描述: Interleukin-2 (IL-2) is an interleukin, a type of cytokine signaling molecule in the immune system. It is a 15,5 - 16 kDa protein that regulates the activities of white blood cells (leukocytes, often lymphocytes) that are responsible for immunity. IL-2 is part of the body's natural response to microbial infection, and in discriminating between foreign ("non-self") and "self". IL-2 mediates its effects by binding to IL-2 receptors, which are expressed by lymphocytes.

来源: *Escherichia coli*
纯度: >98% as determined by SDS-PAGE and SEC-HPLC.

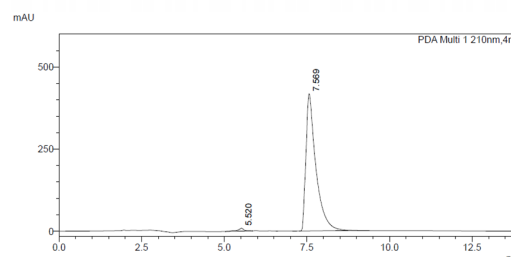
生物学活性: Measure by its ability to induce proliferation in CTLL-2 cells. The ED₅₀ for this effect is <3 ng/mL. The specific activity of recombinant human IL-2 is approximately >5 x 10⁶ IU/mg.

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

蛋白序列: MAPTSSSTKKTQLQLEHLLLDLQMIL
NGINNYKNPKLTRMLTFKFYMPKKAT
ELKHLQCLEELKPLEEVLNLAQSKNF
HLRPRDLISNINVIVLELKGSETTFMCE
YADETATIVEFLNRWITFCQSIISTLT
with polyhistidine tag at the C-terminus



SDS-PAGE analysis of recombinant human IL-2



The purity of recombinant human IL-2 is greater than 98% as determined by SEC-HPLC.

产品组成

成分：从含有 NaPi buffer, 0.018% SDS, pH 7.5 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