

# CHAMOT

## Recombinant Human IL-10

CM012-5HP  
CM012-20HP  
CM012-100HP  
CM012-500HP  
CM012-1000HP



CHAMOT

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## Recombinant Human IL-10 (Interleukin-10)

|     |                                                                       |     |                                           |
|-----|-----------------------------------------------------------------------|-----|-------------------------------------------|
| 编号: | CM012-5HP<br>CM012-20HP<br>CM012-100HP<br>CM012-500HP<br>CM012-1000HP | 规格: | 5 µg<br>20 µg<br>100 µg<br>500 µg<br>1 mg |
| 类别: | 重组蛋白                                                                  | 应用: | Functional Assay                          |

### 产品简介

**描述:** Interleukin 10 (IL-10), also known as human cytokine synthesis inhibitory factor (CSIF), is an anti-inflammatory cytokine. In humans, interleukin 10 is encoded by the IL10 gene. IL-10 signals through a receptor complex consisting of two IL-10 receptor-1 and two IL-10 receptor-2 proteins. Consequently, the functional receptor consists of four IL-10 receptor molecules. IL-10 binding induces STAT3 signalling via the phosphorylation of the cytoplasmic tails of IL-10 receptor 1 + IL-10 receptor 2 by JAK1 and Tyk2 respectively.

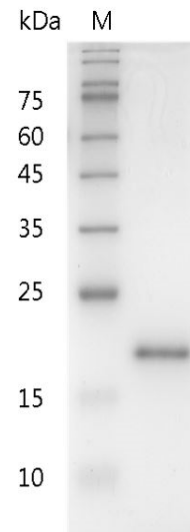
**来源:** *Escherichia coli*

**纯度:** >98% as determined by SDS-PAGE.  
Ni-NTA chromatography

**生物学活性:** Measure by its ability to induce MC/9-2 cells proliferation. The ED<sub>50</sub> for this effect is < 1 ng/mL. The specific activity of recombinant human IL-10 is approximately >1 × 10<sup>6</sup> IU/mg.

**内毒素检测:** < 0.01 EU per 1 µg of the protein by the LAL method.

**蛋白序列:** MSPGQGTQSENSCTHFPGNLPNMLR  
DLRDAFSRVKTFQMKDQLDNLKLLKE  
SLLEDFKGYLGCAQALSEMIQFYLEEVM  
PQAENQDPDIKAHVNSLGENLKTLLR



SDS-PAGE analysis of recombinant human IL-10

RLRRCHRFLPCENKSKAVEQVKNAFN  
 KLQEKGIYKAMSEFDIFINYIEAYMTM  
 KIRN 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℃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5 min。
- 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℃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