

Recombinant Human IL-10 (Interleukin-10)

编号: PY2206

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 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.

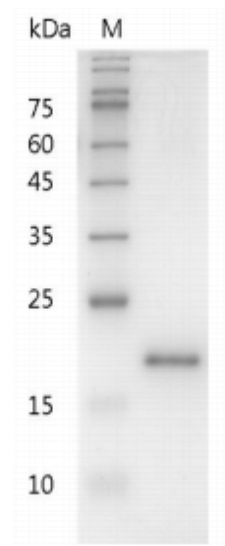
来源: *Escherichia coli*

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 ED₅₀ for this effect is <1 ng/mL. The specific activity of recombinant human IL-10 is approximately >1 × 10⁶ 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
DLRDAFSRVKTFQMKDQLDNLKKE
SLLEDFKGYLGCAQALSEMIQFYLEEVM
PQAENQDPDIKAHVNSLGENLKTLLR



SDS-PAGE analysis of recombinant human IL-10

RLRRCHRFLPCENKSKAVEQVKNAFN
KLQEKGIYKAMSEFDIFINYIEAYMTM
KIRN with polyhistidine tag at the C
- terminus

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℃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