

Recombinant Human IL-6 (Interleukin-6)

编号:	PY2247	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

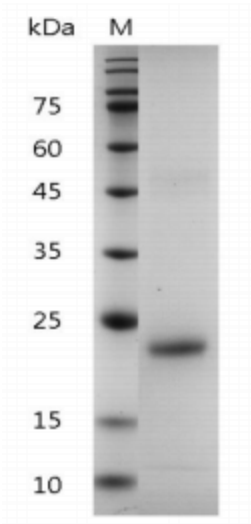
描述: Interleukin 6 (IL-6) is an interleukin that acts as both a pro-inflammatory cytokine and an anti-inflammatory myokine. In humans, it is encoded by the IL6 gene. In addition, osteoblasts secrete IL-6 to stimulate osteoclast formation. Smooth muscle cells in the tunica media of many blood vessels also produce IL-6 as a pro-inflammatory cytokine. IL-6's role as an anti-inflammatory myokine is mediated through its inhibitory effects on TNF-alpha and IL-1, and activation of IL-1ra and IL-10.

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 proliferation in TF-1 cells The ED₅₀ for this effect is < 0.5 ng/mL. The specific activity of recombinant human IL-6 is approximately > 5 x 10⁸ IU/mg. Measure by its ability to induce proliferation in MCF-7 cells. The ED₅₀ for this effect is < 4.4 ng/mL.

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

蛋白序列: MVPPGEDSKDVAAPHRQPLTSSERID
KQIRYILDGISALRKETCNKSNMCESS
KEALAENNLNLPKMAEKDGCFSQSGF



SDS- PAGE analysis of recombinant human IL- 6

NEETCLVKIITGLLEFEVYLEYLQNRFES
SEEQARAVQMSTKVLIQFLQKKAKNL
DAITTPDPTTNASLLTKLQAQNQWLQ
DMTTHLILRSFKEFLQSSLRALRQM
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20 min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