Recombinant Human VEGF165 (Vascular endothelial growth factor 165)

编号: PY2280

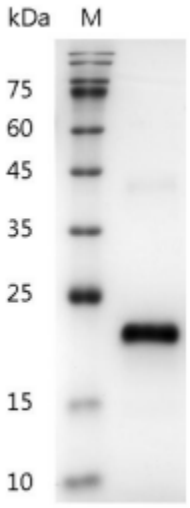
规格: 5 μg
20 μg
100 μg
500 μg
1 mg

类别: 重组蛋白

应用: Functional Assay

产品简介

描述: Vascular endothelial growth factor (VEGF), originally known as vascular permeability factor (VPF), is a signal protein produced by cells that stimulates the formation of blood vessels. VEGF is required during embryogenesis to regulate the proliferation, migration, and survival of endothelial cells. In adults, VEGF functions mainly in wound healing and the female reproductive cycle. Pathologically, it is involved in tumor angiogenesis and vascular leakage. Circulating VEGF levels correlate with disease activity in autoimmune diseases such as rheumatoid arthritis, multiple sclerosis and systemic lupus erythematosus. VEGF is induced by hypoxia and cytokines such as IL-1, IL-6, IL-8, oncostatin M and TNF-alpha.



SDS- PAGE analysis of recombinant human VEGF1 6 5

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 HUVEC cells proliferation. The ED_{50} for this effect is < 5 ng/mL. The specific activity of recombinant human VEGF1 6 5 is approximately > 1.4×10^6 IU/mg.

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

蛋白序列: MAPMAEGGGQNHHEVVKFMDVYQ RSYCHPIETLVDIFQEYPDEIEYIFKPSC

VPLMRCGGCCNDEGLECVPTEESNI
TMQIMRIKPHQGQHIGEMSFLQHN
KCECRPKKDRARQENPCGPCSERRK
HLFVQDPQTCKCSCKNTDSRCKARQ
LELNERTCRCDKPRR with polyhistid
ine 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℃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