



碧云天生物技术/Beyotime Biotechnology  
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## Recombinant Human IL-19

产品编号	产品名称	包装
P5214-10μg	Recombinant Human IL-19	10μg
P5214-100μg	Recombinant Human IL-19	100μg
P5214-500μg	Recombinant Human IL-19	500μg

### 产品简介:

Species	Gene ID	Accession	Source	Length	MW	Tag
Human	29949	Q9UHD0	<i>E. coli</i>	153aa	17.9kDa	—

About this protein	
Name	Recombinant Human IL-19 (Recombinant Human Interleukin-19; rHuIL-19); 重组人白细胞介素19
Synonyms	IL-10C; IL-19; interleukin 19; MDA1; melanoma differentiation associated protein-like protein; NG.1Melanoma differentiation-associated protein-like protein; ZMDA1interleukin-19
Purity	>95% by SDS-PAGE and HPLC analyses.
Biological Activity	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using human IL-20Rα and human IL-20Rβ co-transfected murine BaF3 pro-B cells is less than 1.5ng/ml, corresponding to a specific activity of >6.7×10 <sup>5</sup> IU/mg.
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation	Lyophilized from a 0.2μm filtered concentrated solution in PBS, pH7.4.
Endotoxin	Less than 1EU/μg of rHuIL-19 as determined by LAL method.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in 100mM HAC to a concentration of 0.1-1.0mg/ml. Stock solutions should be apportioned into working aliquots and stored at ≤-20°C. Further dilutions should be made in appropriate buffered solutions.
Category	Cytokine
Background	Human Interleukin-19 (IL-19) is encoded by the IL19 gene, which is located on the chromosome 1. The protein belongs to the IL-10 family that includes IL-10, IL-20, IL-22, IL-24, and IL-26. As a monomer made of seven amphipathic helices, IL-19 has a helical bundle and shares the same cell surface receptor (IL-20R) with IL-20 and IL-24. It may play some important roles in inflammatory responses because it up-regulates IL-6 and TNF-alpha and induces apoptosis.
Amino Acid Sequence	LRRCLISTDM HHIEESFQEI KRAIQAKDTF PNVTLSTLE TLQIIKPLDV CCVTKNLLAF YVDRVFKDHQ EPNPKILRKI SSIANSFLYM QKTLRQCQEQ RQCHCRQEAT NATRVIHDNY DQLEVHAAAI KSLGELDVFL AWINKNHEVM SSA

### 包装清单:

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—	说明书	1份

### 保存条件:

-20°C或更低温度保存, 至少一年有效。由于蛋白的每次冻融均会引起部分失活, 所以首次配制成相应浓度的储存液后(请根据产品简介中Reconstitution一栏的信息配制储存液), 须分装后-20°C或更低温度冻存, 以避免反复冻融。

### 注意事项:

➢ 由于有些塑料管壁对某些蛋白有较强的吸附作用, 溶液中的蛋白很容易粘附在管壁上, 并且粘附后的蛋白很难与管壁分离。而载

体蛋白(Carrier protein, 如0.1% BSA等)的主要作用是预先封闭塑料管壁上的蛋白结合位点, 使细胞因子或重组蛋白不会粘附于管壁。所以一定要使用产品简介中Reconstitution一栏的信息配制储存液。

- 本产品仅限于专业人员的科学研究用, 不得用于临床诊断或治疗, 不得用于食品或药品, 不得存放于普通住宅内。
- 为了您的安全和健康, 请穿实验服并戴一次性手套操作。

### 使用说明:

1. 收到产品后请立即按照说明书推荐的条件保存。除非特别注明, 碧云天相关产品均为冻干粉, 由于微量的蛋白在冻干过程中沉积在管内, 形成很薄或不可见的蛋白层, 所以在打开管盖前, 我们建议在离心机中约8,000-12,000g离心10-30秒, 使附着在管盖或管壁上的蛋白聚集于管底。
2. 请根据实验目的并按照产品简介中Reconstitution一栏中的信息配制储存液。大多数细胞因子或重组蛋白的冻干粉是很容易溶解的, 一般用移液枪的枪头轻吹几下或者轻轻摇晃瓶子, 即可使细胞因子或重组蛋白完全溶解。请勿用vortex剧烈振荡, 以免蛋白变性而失活。
3. 具体的最佳工作浓度请自行参考相关文献, 或者根据实验目的, 以及特定细胞和动物, 通过实验进行摸索和优化。

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