



## 重组小鼠白细胞介素-33 (rMuIL-33)

### Recombinant Murine Interleukin-33(rMuIL-33)

货号: QS03014 来源: 大肠杆菌

数量: 2 $\mu$ g/10 $\mu$ g/1.0mg

Catalog: QS03014 Source: Escherichia coli.

Quantity: 2 $\mu$ g/10 $\mu$ g/1.0mg

#### 说明 Description:

IL-33 是一种促炎蛋白, 与 IL-1 细胞因子家族具有相同的结构和功能特征。它通过 IL-1RL1/ST2 受体结合并发出信号, 激活 NF-kappaB 和 MAP 激酶。IL-33 诱导 TH2 细胞相关细胞因子的产生, 包括 IL-4、IL-5 和 IL-13, 并发挥多种与炎症相关的生物活性。

IL-33 is a proinflammatory protein that shares structural and functional characteristics with the IL-1 cytokine family. It binds and signals through the IL-1RL1/ST2 receptor activating NF-kappaB and MAP kinases. IL-33 induces production of TH2 cell related cytokines, including IL-4, IL-5 and IL-13, and exerts multiple inflammation related bioactivities.

#### 分子量 Molecular Weight:

约17.5 kDa的蛋白质, 含有158个氨基酸残基

Approximately 17.5 kDa protein containing 158 amino acid residues

#### 纯度 Purity:

SDS-PAGE和HPLC分析显示为>98%。

>98% by SDS-PAGE and HPLC analyses.

#### Biological Activity:

ED50 是通过小鼠 D10S 细胞增殖的剂量依赖性刺激来确定的,  $\leq 0.5$  ng/mL, 对应于  $\geq 2 \times 10^6$  单位/mg 的比活性。

The ED50 was determined by the dose-dependent stimulation of the proliferation of murine D10S cells is  $\leq 0.5$  ng/ml, corresponding to a specific activity of  $\geq 2 \times 10^6$  units/mg.

#### 外观 Physical Appearance:

无菌过滤的白色冻干(冻干)粉末。

Sterile Filtered White lyophilized (freeze-dried) powder.

#### 剂型 Formulation:

从含 PBS、EDTA 和 DTT 的经 0.2 毫米滤膜过滤的溶液中冻干而得。

Lyophilized from a 0.2mm filtered solution in PBS, EDTA and DTT.

#### 氨基酸序列 AA Sequence:

SIQGTSLLTQSPASLSTYNDQSVSFVLENGCYVINVDDSGKDQEQ  
DQVLLRYYESPCPASQSGDGVGKKLMVNMSPKDTDIWLHAN  
DKDYSVELQRGDVSPPEQAFFVLHKKSSDFVSFECKNLPPTYIG  
VKDNQLALVEEKDESCNNIMFKLSKI

#### 内毒素 Endotoxin:

经 LAL 法测定, rmIL-33 的内毒素含量低于 1EU/mg。

Less than 1EU/mg of rmIL-33 as determined by LAL method.



### 复溶 Reconstitution:

我们建议在打开该样品瓶前短暂离心，以使内容物到达底部。在无菌蒸馏水或含 0.1% BSA 的水缓冲液中复溶至浓度为 0.1-1.0 mg/mL。储备液应分装成工作等分试样，并储存在  $-20^{\circ}\text{C}$  下。应在适当的缓冲溶液中进行进一步稀释。

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at  $-20^{\circ}\text{C}$ . Further dilutions should be made in appropriate buffered solutions.

### 存储 Storage:

这种冻干制剂在  $2-8^{\circ}\text{C}$  下稳定，但应在  $-20^{\circ}\text{C}$  下长期储存，最好干燥。复溶后，制剂在  $2-8^{\circ}\text{C}$  下可稳定保存长达一周。为了获得最大的稳定性，将复溶的制剂分成工作等分试样，并在  $-20^{\circ}\text{C}$  至  $-70^{\circ}\text{C}$  下储存。避免反复冻融。

This lyophilized preparation is stable at  $2-8^{\circ}\text{C}$ , but should be kept at  $-20^{\circ}\text{C}$  for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at  $2-8^{\circ}\text{C}$ . For maximal stability, apportion the reconstituted preparation into working aliquots and store at  $-20^{\circ}\text{C}$  to  $-70^{\circ}\text{C}$ . Avoid repeated freeze/thaw cycles.

### 备注 Note:

仅供研究使用，不得用于诊断实验。

For research use only, not for use in diagnostic procedure.