



碧云天生物技术/Beyotime Biotechnology  
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## Recombinant Human MIP-4/CCL18

| 产品编号        | 产品名称                          | 包装    |
|-------------|-------------------------------|-------|
| P6645-2μg   | Recombinant Human MIP-4/CCL18 | 2μg   |
| P6645-10μg  | Recombinant Human MIP-4/CCL18 | 10μg  |
| P6645-100μg | Recombinant Human MIP-4/CCL18 | 100μg |
| P6645-1mg   | Recombinant Human MIP-4/CCL18 | 1mg   |

### 产品简介:

| Species | Gene ID | Accession | Source         | Length | MW     | Tag |
|---------|---------|-----------|----------------|--------|--------|-----|
| Human   | 6362    | P55774    | <i>E. coli</i> | 69aa   | 7.9kDa | —   |

| About this protein  |   |
|---------------------|---|
| Name                | Recombinant Human MIP-4/CCL18 (Recombinant Human Macrophage Inflammatory Protein-4/CCL18; rHuMIP-4/CCL18); 重组人巨噬细胞炎症蛋白4/CCL18   |
| Synonyms            | AMAC-1; DC-CK1; MIP-4; PARC; Alternative macrophage activation-associated CC chemokine 1; AMAC1CC chemokine ligand 18; AMAC-1small-inducible cytokine A18; chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated); CKb7; DC-CK1CC chemokine PARC; DCCK1Macrophage inflammatory protein 4; Dendritic cell chemokine 1; MIP4; MIP-4C-C motif chemokine 18; PARCPulmonary and activation-regulated chemokine; SCYA18chemokine (C-C), dendritic; small inducible cytokine A18; small inducible cytokine subfamily A (Cys-Cys), member 18, pulmonary andactivation-regulated |
| Purity              | >97% by SDS-PAGE and HPLC analyses.   |
| Biological Activity | Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human T-lymphocytes is in a concentration of 1.0-10ng/ml.  |
| Physical Appearance | Sterile Filtered White lyophilized (freeze-dried) powder.   |
| Formulation         | Lyophilized from a 0.2μm filtered concentrated solution in 20mM PB, pH7.4, 100mM NaCl.  |
| Endotoxin           | Less than 1EU/μg of rHuMIP-4/CCL18 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 sterile distilled water or aqueous buffer containing 0.1% BSA 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            | Chemokines  |
| Background          | Human CCL18 is encoded by the CCL18 gene located on the chromosome 17. As also named MIP-4, it shares 61% sequence identity to human MIP-1α. CCL18 is mainly expressed by lung and some lymphoid tissues like lymph nodes express CCL18 at low level. It is chemotactic for both activated (CD3 <sup>+</sup> ) T cells and nonactivated (CD14 <sup>-</sup> ) lymphocytes, but not for monocytes or granulocytes. Involved in B-cell migration into B-cell follicles in lymph nodes. CCL18 plays a role in both humoral and cellmediated immunity responses.                           |
| Amino Acid Sequence | AQVGTNKELC CLVYTSWQIP QKFIVDYSET SPQCPKPGVI LLTKRGRQIC ADPNKKWVQK YISDLKLNA   |

### 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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