

## Datasheet for ABIN988159 **CCL4 Protein**



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### Overview

|                      |                            |
|----------------------|----------------------------|
| Quantity:            | 10 µg                      |
| Target:              | CCL4                       |
| Origin:              | Human                      |
| Source:              | Escherichia coli (E. coli) |
| Biological Activity: | Active                     |

### Product Details

|                  |  |
|------------------|--|
| Sequence:        | APMGSDPPTA CCFSYTARKL PHNFVVDYIE TSSLCSQPAV VFQTKRGKQV CADPSESWWQ<br>EYVYDLEL  |
| Characteristics: | Determined by its ability to chemoattract human blood monocytes using a concentration range of 5.0-20.0 ng/ml, corresponding to a specific activity of > 5.0×10 <sup>4</sup> units/mg. |
| Purity:          | > 96 % by SDS-PAGE and HPLC analyses.  |
| Endotoxin Level: | Level Less than 1EU/µg of rHuMIP-1 beta /CCL4 as determined by LAL method  |

### Target Details

|                   |   |
|-------------------|---|
| Target:           | CCL4  |
| Alternative Name: | MIP-1 beta /CCL4 ( <a href="#">CCL4 Products</a> )  |
| Background:       | Both MIP-1 alpha and MIP-1 beta are structurally and functionally related CC chemokines. They participate in the host response to invading bacterial, viral, parasite and fungal pathogens by regulating the trafficking and activation state of selected subgroups of inflammatory cells e.g. macrophages, lymphocytes and NK cells. While both MIP-1 alpha and MIP-1 beta exert similar |

## Target Details

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effects on monocytes their effect on lymphocytes differ, with MIP-1 alpha selectively attracting CD8+ lymphocytes and MIP-1 beta selectively attracting CD4+ lymphocytes. Additionally, MIP-1 alpha and MIP-1 beta have also been shown to be potent chemoattractants for B cells, eosinophils and dendritic cells. Both human and mouse MIP-1 alpha and MIP-1 beta are active on human and mouse hematopoietic cells. Synonym: MIP-1 beta /CCL4, Human. Formulation: Lyophilized from a 0.2µm filtered concentrated solution in 20mM Tris, 500mM NaCl.

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Molecular Weight: 7.6 kDa, a single non-glycosylated polypeptide chain containing 69 amino acids.

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

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 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at < -20 °C. Further dilutions should be made in appropriate buffered solutions.

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Storage: 4 °C