

# Recombinant Murine Mucosae-associated Epithelial Chemokine/CCL28

#R00441

Size: 5 µg/100 µg/500 µg

## Stability & Storage

- Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
- 12 months from date of receipt, -20 to -70 °C as supplied.
  - 1 month, 2 to 8 °C under sterile conditions after reconstitution.
  - 3 months, -20 to -70 °C under sterile conditions after reconstitution.



**Warning:** This product is intended for scientific research only. It is not to be used for medical or diagnostic procedures in humans or animals, nor as a food, cosmetic, or household product.

## Background

CCL28 belongs to CC family chemokine, also named mucosae-associated epithelial chemokine (MEC). The CCL28 mRNA is highly expressed by epithelial cells of diverse tissues including normal and pathological colon, salivary gland, mammary gland, trachea and rectum. The amino acids sequence of human and mouse CCL28 shares 83% identity, when the protein is processed to be the mature form. CCL28 is signaling through CCR3 and CCR10, and chemotactic for resting CD4, CD8 T-cells and eosinophils.

## AA Sequence

SEAILPMASSCCTEVSHHVSGRLLERVSSCSIQRADG  
DCDLAAVILHVKRRRICISPHNRTLKQWMRASEVKKN  
GRENVCSGKKQPSRKDRKGHTTRKHRTRGTHRHEA  
SR

## 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.

## Product Specification

|                            |                                                                                                                                                                                          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>            | CCK1                                                                                                                                                                                     |
| <b>Accession</b>           | Q9JIL2                                                                                                                                                                                   |
| <b>GeneID</b>              | 56838                                                                                                                                                                                    |
| <b>Species</b>             | Murine                                                                                                                                                                                   |
| <b>Source</b>              | Escherichia coli.                                                                                                                                                                        |
| <b>Molecular Weight</b>    | Approximately 12.6 kDa, a single, non-glycosylated polypeptide chain containing 111 amino acids.                                                                                         |
| <b>Purity</b>              | > 97 % by SDS-PAGE and HPLC analyses.                                                                                                                                                    |
| <b>Biological Activity</b> | Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using murine lymphocytes is in a concentration range of 1.0-10.0 ng/ml. |

|             |                                                                                            |
|-------------|--------------------------------------------------------------------------------------------|
| Physical    | Sterile Filtered White lyophilized                                                         |
| Appearance  | (freeze-dried) powder.                                                                     |
| Formulation | Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4, 150 mM NaCl. |
| Endotoxin   | Less than 1 EU/µg of rMuMEC/CCL28 as determined by LAL method.                             |