

## Recombinant Murine Eotaxin/CCL11

#R00431

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

Murine CCL11 is belonging to the CC chemokine family. CCL11 was first purified from bronchoalveolar lavage fluid of guinea pigs. It was a strong and specific eosinophil chemoattractant in vitro. It can directly chemotactic for eosinophils, but not for monocytes or neutrophils. Murine CCL11 is approximately 63 % identical at the amino acid level to human CCL11. In addition, CCL11 also shows about 60 % amino acid sequence identity to human MCPs. CCR3 has been identified to be a specific CCL11 receptor.

### AA Sequence

HPGSIPTSCCFIMTSKKIPNTLLKSYKRITNNRCTLKAI  
VFKTRLGKEICADPKKKWVQDATKHLDQKLQTPKP

### 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>            | Small-inducible Cytokine A11                                                                                                                                                               |
| <b>Accession</b>           | P48298                                                                                                                                                                                     |
| <b>GeneID</b>              | 20292                                                                                                                                                                                      |
| <b>Species</b>             | Murine                                                                                                                                                                                     |
| <b>Source</b>              | Escherichia coli.                                                                                                                                                                          |
| <b>Molecular Weight</b>    | Approximately 8.4 kDa, a single non-glycosylated polypeptide chain containing 74 amino acids.                                                                                              |
| <b>Purity</b>              | > 96 % 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 purified eosinophils is in a concentration range of 100-1000 ng/ml. |
| <b>Physical</b>            | Sterile Filtered White Lyophilized                                                                                                                                                         |

|                    |                                                                          |
|--------------------|--------------------------------------------------------------------------|
| <b>Appearance</b>  | (freeze-dried) powder.                                                   |
| <b>Formulation</b> | Lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH 7.4. |
| <b>Endotoxin</b>   | Less than 1 EU/μg of rMuEotaxin/CCL11 as determined by LAL method.       |