

**TECHNICAL DATA SHEET**

**Recombinant Mouse CCL11 (Eotaxin) (Carrier-free)**

Catalog Number: 21-7014

**RPx-Pro™ Recombinant Protein**  
**PRODUCT INFORMATION**

**CONTENTS**

Recombinant Mouse CCL11 (Eotaxin) (Carrier-free)

**DESCRIPTION**

Eotaxin is a member of the CC family of chemokines that selectively induces the chemotaxis of neutrophils. Eotaxin exerts its effects through binding to the G-protein-linked CCR3 receptor and is thought to play a role in allergic responses by initiating the recruitment of neutrophils.

**MOLECULAR MASS**

Recombinant Mouse Eotaxin is an 8.4 kDa protein containing 74 amino acid residues, including the four highly conserved cysteine residues present in CC chemokines.

**AMINO ACID SEQUENCE**

HPGSIPTSCC FIMTSKKIPN TLLKSYKRIT NNRCTLKAIV FKTRLGKEIC ADPKKKWVQD ATKHLDQKLQ TPKP

**SOURCE**

E. coli

**APPLICATIONS**

Bioassay

**PURITY**

98 %

**STORAGE**

-20°C

**PROTEIN CONTENT**

Content Verified by UV Spectroscopy and/or SDS-PAGE gel.

**ENDOTOXIN LEVEL**

Endotoxin level is <0.1 ng/µg of protein (<1 EU/µg).

**AUTHENTICITY**

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

**CROSS REACTIVITY**

Rat

**BIOACTIVITY**

Mouse Eotaxin was found to induce chemotaxis of purified eosinophils at concentrations ranging between 10-100 ng/ml.

**RESEARCH AREAS**

Chemotaxis; Immune System; Wound Healing

**RECONSTITUTION**

See Certificate of Analysis (COA) for lot specific reconstitution information.

**REFERENCES**

Bader R, Berkman N, Levi-Schaffer F, Piliponsky AM, Puxeddu I and Reich R. 2005. J Allergy Clin Immunol. 117: 103-110. Levina V, Nolen BM, Marrangoni AM, Cheng P, Marks JR, Szczepanski MJ, Szajnik ME, Gorelik E and Lokshin AE. 2009. Clin Cancer Res. 15: 2647-2656.

Citations are provided as a resource for additional applications that have not been validated by Tonbo Biosciences. Please choose the appropriate format for each application and consult Materials and Methods sections for additional details about the use of any product in these publications.

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