

TECHNICAL DATA SHEET

Recombinant Human CCL11 (Eotaxin) (Carrier-free)

Catalog Number: 21-7015

RPx-Pro™ Recombinant Protein

PRODUCT INFORMATION

CONTENTS

Recombinant Human 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 human Eotaxin is an 8.3 kDa protein containing 74 amino acid residues, including the four highly conserved cysteine residues present in CC chemokines.

AMINO ACID SEQUENCE

GPASVPTTCC FNLANRKIPL QRLESYRRIT SGKCPQKAVI FKTKLAKDIC ADPKKKWVQD SMKYLDQKSP TPKP

SOURCE

E. coli

APPLICATIONS

Bioassay

PURITY

98 %

STORAGE

-20°C

PROTEIN CONTENT

Content Verified by UV Spectroscopy and/or SDS-PAGE

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

Mouse, Human + Hamster, Human + Guinea Pig

BIOACTIVITY

Determined by its ability to chemoattract human peripheral blood eosinophils using a concentration range of 0.1-10.0 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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