

TECHNICAL DATA SHEET

Recombinant Mouse CCL12 (MCP-5) (Carrier-free)

Catalog Number: 21-7016

RPx-Pro™ Recombinant Protein

PRODUCT INFORMATION

CONTENTS

Recombinant Mouse CCL12 (MCP-5) (Carrier-free)

DESCRIPTION

CCL12 is a member of the CC family of chemokines and is a chemoattractant for eosinophils, monocytes and lymphocytes. CCL12 is expressed mainly in the lymph nodes and thymus and is involved in allergic reactions and normal immune responses. CCL12 exerts its effects through binding to to the CCR2 receptor.

MOLECULAR MASS

Recombinant murine MCP-5 is a 9.3 kDa protein containing 82 amino acid residues including the four highly conserved cysteine residues present in the CC chemokines.

AMINO ACID SEQUENCE

GPDAVSTPVT CCYNVVKQKI HVRKCLKSYRR ITSSQCPREA VIFRTILDKE ICADPKEKWV KNSINHLDKT SQTFILEPSC LG

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

Human

BIOACTIVITY

Determined by its ability to chemoattract human peripheral blood monocytes using a concentration range of 10.0-50.0 ng/ml.

RESEARCH AREAS

Angiogenesis/Cardiovascular; Cancer; Chemotaxis; Immune System; Inflammation; Neurobiology; Wound Healing

RECONSTITUTION

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

REFERENCES

Sarafif MN, Garcia-Zepeda EA, MacLean JA, Charo IF and Luster AD. 1997. J Exp. Med. 185: 99-109. Kopydlowski KM, Salkowski CA, Cody MJ, van Rooijen N, Major J, Hamilton TA and Vogel SN. 1999. J Immunol. 163: 1537-1544.

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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