

**TECHNICAL DATA SHEET**

# Recombinant Human CCL22 (MDC) (69 a.a.) (Carrier-free)

Catalog Number: 21-7021

**RPx-Pro™ Recombinant Protein**

**PRODUCT INFORMATION**

**CONTENTS**

Recombinant Human CCL22 (MDC) (69 a.a.) (Carrier-free)

**DESCRIPTION**

CCL22 is a member of the CC family of chemokines that has chemotactic activity for monocytes, dendritic cells, NK cells and chronically activated T cells. CCL22 exerts its effects through binding to the CCR4 receptor.

**MOLECULAR MASS**

Recombinant human MDC is an 8.1 kDa protein containing 69 amino acid residues including the four highly conserved cysteine residues present in the CC chemokines.

**AMINO ACID SEQUENCE**

GPYGANMEDS VCCR DYVRYR LPLRVVKH FY WTSDSCPRPG VLLTFRDKE ICADPRVPWV KMILNKLSQ

**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**

Hamster, Mouse

**BIOACTIVITY**

Determined by its ability to chemoattract human T cells using a concentration range of 10.0-100.0 ng/ml.

**RESEARCH AREAS**

AIDS/HIV; Chemotaxis; Immune System; Wound Healing

**RECONSTITUTION**

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

**REFERENCES**

Godiska R, Chantry D, Raport CJ, Sozzani S, Allavena P, Leviten D, Mantovani A, Gray PW. 1997. J Exp Med. 185(9): 1595-1604. Schaniel C, Pardali E, Sallusto F, Speletas M, Ruedl C, Shimizu T, Seidl T, Andersson J, Melchers F, Rolink AG, Sideras P. 1998. J Exp Med. 188(3): 451-463.

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.

For Research Use Only.

Not for use in diagnostic or therapeutic procedures. Not for resale. Not for distribution without written consent. Tonbo Biosciences will not be held responsible for patent infringement or other violations that may occur with the use of our products. Tonbo Biosciences, Tonbo Biosciences Logo and all other trademarks are the property of Tonbo Biotechnologies Corporation. © 2013 Tonbo Biosciences.