TONBO biosciences

Equivalent Performance, Exceptional Value

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, dendrititc 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 VCCRDYVRYR LPLRVVKHFY WTSDSCPRPG VVLLTFRDKE ICADPRVPWV KMILNKLSQ

SOURCE	APPLICATIONS	PURITY	STORAGE
E. coli	Bioassay	98 %	-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.