

TECHNICAL DATA SHEET

Recombinant Mouse CCL5 (RANTES) (Carrier-free)

Catalog Number: 21-8960

RPx-Pro™ Recombinant Protein

PRODUCT INFORMATION

CONTENTS

Recombinant Mouse CCL5 (RANTES) (Carrier-free)

DESCRIPTION

RANTES is a small CC-chemokine produced by T cells and other immune cell types as well. RANTES also utilizes multiple CCR receptors including CCR1, CCR3, and CCR5. RANTES is a potent chemoattractant towards T cells, basophils, eosinophils, and NK cells and functions to recruit these cells to sites of inflammation.

MOLECULAR MASS

Recombinant Mouse RANTES is a 7.8 kDa protein composed of 68 amino acid residues.

AMINO ACID SEQUENCE

SPYGSDDTPC CFAYLSLALP RAHVKEYFYT SSKCSNLAVV FVTRRRNRQVC ANPEKKWVQE YINYLEMS

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

Bacteria, Human, Rat

BIOACTIVITY

Measured by chemoattraction assays using total human lymphocyte population and total Mouse T cell population using a concentration range of 1.0-10.0 ng/ml.

RESEARCH AREAS

AIDS/HIV; Angiogenesis/Cardiovascular; Chemotaxis; Immune System; Inflammation ; Neurobiology; Wound Healing; Allergy; Transplantation

RECONSTITUTION

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

REFERENCES

Maghazachi AA, Al-Aoukaty and TJ Schall 1996 Eur J Immunol 26: 315–319. Schall TJ, J Jongstra, BJ Dyer, J Jorgensen, C Clayberger, MM Davis and AM Krensky 1988 J Immunol 141: 1018–1025. Song A, YF Chen , K Hamatroln , TA Storm and AM Krensky 1999 Immunity 10(1): 93–103. Song A, T Nikolcheva and AM Krensky 2000 Immunol Rev 177: 236–245. Cocchi F, AL DeVico, A Garzino-Demo, SK Arya, RC Gallo and P Lusso Science 270: 1811–1815.

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