

TECHNICAL DATA SHEET

Recombinant Mouse CCL19 (MIP-3 β) (Carrier-free)

Catalog Number: 21-8213

RPx-Pro™ Recombinant Protein

PRODUCT INFORMATION

CONTENTS

Recombinant Mouse CCL19 (MIP-3 β) (Carrier-free)

DESCRIPTION

Macrophage inflammatory protein-3-beta, MIP-3 β , also known as chemokine (C-C motif) ligand 19, CCL19, is a member of the CC chemokine family and is expressed primarily by stromal cells in the T cell rich zones of lymph nodes. MIP-3 beta acts as a chemoattractant for the trafficking of naive T cells and activated dendritic cells into the secondary lymphoid organs through the G protein-coupled receptor CCR7.

MOLECULAR MASS

Recombinant mouse MIP-3 β (CCL19) is a 9.2 kDa protein containing 83 amino acid residues.

AMINO ACID SEQUENCE

GANDAEDCCL SVTQRPIPGN IVKAFRYLLN EDGCRVPAVV FTTLRGYQLC APPDQPWVDR IIRRLKKSSA KNKGNSTRRS PVS

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/ μ g of protein (<1 EU/ μ g).

AUTHENTICITY

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

CROSS REACTIVITY

Human, Monkey, Leech, Rat

BIOACTIVITY

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

RESEARCH AREAS

Chemotaxis; Wound Healing

RECONSTITUTION

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

REFERENCES

Yoshida R, Imai T, Hieshima K, Kusuda J, Baba M, Kitaura M, Nishimura M, Kakizaki M, Nomiyama H and Yoshie O 1997 J Biol Chem 272(21): 13803–9.
 Rossi DL, Vicari AP, Franz-Bacon K, McClanahan TK and Zlotnik A 1997 J Immunol 158(3): 1033–6. Bromley SK, Thomas SY and Luster AD 2005 Nat Immunol 6(9): 895–901.

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