

TECHNICAL DATA SHEET

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

Catalog Number: 21-8217

RPx-Pro™ Recombinant Protein

PRODUCT INFORMATION

CONTENTS

Recombinant Human 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 Human MIP-3 β (CCL19) is a 8.8 kDa protein composed of 77 amino acid residues.

AMINO ACID SEQUENCE

GTNDAEDCCL SVTQKPIPGY IVRNFHYLLI KDGCRVPAVV FTTLRGRQLC APPDQPWVER IIQRLQRTSA KMKRRSS

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

Monkey, Mouse

BIOACTIVITY

Determined by its ability to chemoattract human T cells using a concentration of 10.0-50.0 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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