

PRODUCT DATA SHEET



Bioworld Technology, Inc.

Recombinant Human MCP-4 (rHuMCP-4/CCL13)

Catalog Number: PR1088

Source: Escherichia coli.

Quantity: 5µg/20µg/1.0mg

Description

CCL13 is a chemoattractant for monocytes and eosinophils, and activates basophils. In addition, it has been reported to be chemotactic for CD4+ and CD8+ T cells, with an activity almost equivalent to that of MCP-3. The bioactivities of CCL13 is most likely mediated by the CC chemokine receptors CCR-2 and CCR-3, both of which have been shown to bind CCL13.

Molecular Weight:

8.6 kDa, a single non-glycosylated polypeptide chain containing 75 amino acids.

Purity:

>96% by SDS-PAGE and HPLC analyses.

Biological Activity:

Fully biologically active when compared to standard. Determined by its ability to chemoattract human monocytes using a concentration range of 10.0-100.0 ng/ml, corresponding to a Specific Activity of $\square 1 \times 10^4$ IU/mg.

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Lyophilized from a 0.2mm filtered concentrated solution in 20mM PB, pH 7.4, 130mM NaCl.

AA Sequence:

QPDALNVPSTCCFTFSSKKISLQRLKSY
VITTSRCPQKAVIFRTKLGKEICADPKE

K W V Q N Y M K H L G R K A H T L K T

Endotoxin:

Less than 1EU/mg of rHuMCP-4/CCL13 as determined by LAL method.

Reconstitution:

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at $< -20^{\circ}\text{C}$. Further dilutions should be made in appropriate buffered solutions.

Storage:

This lyophilized preparation is stable at $2-8^{\circ}\text{C}$, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at $2-8^{\circ}\text{C}$. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C . Avoid repeated freeze/thaw cycles.

Usage:

This material is offered by USA Bioworld biotech for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE. Made in China

MADE IN CHINA

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