

PRODUCT DATA SHEET



Bioworld Technology, Inc.

Recombinant Human Hemofiltrate CC Chemokine-1 (rHuHCC-1 /CCL14)

Catalog Number: PR1041

Source: Escherichia coli.

Quantity: 2µg/10µg/1.0mg

Description

HCC-1 is a CC chemokine that signals through the CCR1 receptor and chemoattracts blood monocytes. It is secreted by various tissues including skeletal muscle, heart, spleen, liver and bone marrow.

Molecular Weight:

8.4 kDa, a single non-glycosylated polypeptide chain containing 72 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 5.0-20.0 ng/ml, corresponding to a Specific Activity of $\square 5 \times 10^4$ 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, 100mM NaCl.

AA Sequence:

T E S S R G P Y H P S E C C F T Y T T Y K I P R Q R I
M D Y Y E T N S Q C S K P G I V F I T K R G H S V C T

N P S D K W V Q D Y I K D M K E N

Endotoxin:

Less than 1EU/mg of rHuHCC-1/CCL14 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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