

PRODUCT DATA SHEET



Bioworld Technology, Inc.

Recombinant Mouse Dendritic Cell Inflammatory Protein 1/CXCL3 (rMuDCIP-1/CXCL3)

Catalog Number: PR2001

Source: Escherichia coli.

Quantity: 2µg/10µg/1.0mg

Description

CXCL3 is also known as MIP2 β (macrophage inflammatory protein 2 beta), or DCIP1 (dendritic cell inflammatory protein 1) in mouse, CINC2 (cytokine-induced neutrophil attractant 2) in rat, and GRO γ (growth regulated oncogene gamma) in humans. It is an 8 kDa proinflammatory member of the CXC subfamily of heparin-binding chemokines, also called alpha chemokines. Mature mouse CXCL3 shares 88% and 57% amino acid (aa) sequence identity with rat and human CXCL3, respectively.

Molecular Weight:

7.7 kDa, a single, non-glycosylated polypeptide chain containing 69 amino acids.

Purity:

>97% by SDS-PAGE and HPLC analyses.

Biological Activity:

Fully biologically active when compared to standard. Determined by its ability to chemoattract 293 transfected CXCR2 cells using a concentration range of 10-100 ng/ml, corresponding to a Specific Activity of 1×10^4 IU/mg.

Physical Appearance:

Sterile Filtered White Lyophilized (freeze-dried) powder.

Formulation:

Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.

AA Sequence:

S E L R C Q C L N T L P R V D F E T I Q S L T V T P P G
P H C T Q T E V I A T L K D G Q E V C L N P Q G P R L
Q I I K K I L K S G K S S

Endotoxin:

Less than 1EU/µg of rMuDCIP-1/CXCL3 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 for several weeks 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

Bioworld Technology, Inc.

1660 South Highway 100, Suite 500 St. Louis Park, MN

55416, USA.

Tel: 6123263284

Email: info@bioworld.com

Fax: 6122933841

Bioworld technology, co, Ltd.

No 9, weidi road Qixia District Nanjing, 210046, P, R.China.

Tel: 0086-025-86371664

Email: info@biogot.com

Fax: 0086-025-86213570