PRODUCT DATA SHEET

Bioworld Technology,Inc.

Recombinant MIP-2/CXCL2, Mouse

Catalog Number: BK0138-5μg Source: Escherichia coli. Quantity: 5μg

Description:

Chemokine (C-X-C motif) ligand 2 (CXCL2) is a small cytokine belonging to the CXC chemokine family that is also called macrophage inflammatory protein 2-alpha (MIP2-alpha), Growth-regulated protein beta (Gro-beta) and Gro oncogene-2 (Gro-2). CXCL2 is 90% identical in amino acid sequence to a related chemokine, CXCL1. CXCL2 is secreted by monocytes and macrophages and is chemotactic for polymorphonuclear leukocytes and hematopoietic stem cells. CXCL2 can signal throμgh the CXCR2 receptor.Recombinant mouse MIP-2/CXCL2 produced in E.coli is a single non-glycosylated polypeptide chain containing 73 amino acids. A fully biologically active molecule, rmMIP-2/CXCL2 has a molecular mass of 8 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques at GenScript.

Molecular Weight:

8.0 kDa, observed by reducing SDS-PAGE.

Purity:

> 95% as analyzed by SDS-PAGE.

Biological Activity:

The EC50 value of mouse MIP-2/CXCL2 on Caˆ2+ mobilization assay in CHO-K1/Gα15/mCXCR2 cells (human Gα15 and mouse CXCR2 stably expressed in CHO-K1 cells) is less than 1 ng/ml.

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Lyophilized after extensive dialysis against PBS.

AA Sequence:

GAVVAS-
ELRCQCLKTLPRVDFKNIQSLSVTPPGPHCAQ-
TEVI-
ATLKGGQKVCLDPEAPLVQKIIQKILNKGKAN

Endotoxin:

< 0.2 EU/μg, determined by LAL method.

Reconstitution:

Reconstituted in ddH2O or PBS at 100 μg/ml.

Storage:

Lyophilized recombinant mouse MIP-2/CXCL2 remains stable up to 6 months at -80℃ from date of receipt. Upon reconstitution, mouse MIP-2/CXCL2 should be stable up to 1 week at 4℃ or up to 2 months at -20℃.

Usage:

This material is offered by USA Bioworld biotech for research, laboratory or further evaluation purposes. For research use only.

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