

Rev03
 Update: Dec,14,2021

DATASHEET

DCIP-1/CXCL3, Mouse

Cat. No.: Z02905

Product Introduction

Species	Mouse
Protein Construction	CXCL3 (Ala28-Ser100) Accession # Q6W5C0
Purity	> 97% as analyzed by SDS-PAGE > 97% as analyzed by HPLC
Endotoxin Level	< 1 EU/μg of protein by LAL method
Biological Activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human CXCR2 transfected human 293 cells is in a concentration range of 10.0-100.0 ng/ml.
Expression System	E. coli
Theoretical Molecular Weight	7.9 kDa
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS, pH 7.4.
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml.
Storage & Stability	Upon receiving, this product remains stable for up to 6 months at -70°C or -20°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. Avoid repeated freeze-thaw cycles.

Background

Target Background : Dendritic cell inflammatory protein-1 (DCIP-1)/CXCL3 is also known as MIP2β (macrophage inflammatory protein 2 beta), or DCIP1 (dendritic cell inflammatory protein-1) in mouse, CINC2 (cytokine-induced neutrophil attractant 2) in rat, and GROγ (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.

Synonyms : C-X-C motif chemokine 3; Dendritic cell inflammatory protein 1; Dcip1; Gm1960

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.