

Rev03  
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**DATASHEET**

# MIP-2/CXCL2, Mouse

Cat. No.: Z03263

## Product Introduction

<b>Species</b>	Mouse
<b>Protein Construction</b>	MIP-2 (Gly27-Asn100) Accession # P10889
<b>Purity</b>	> 95% as analyzed by SDS-PAGE
<b>Endotoxin Level</b>	< 0.2 EU/μg of protein by gel clotting method
<b>Biological Activity</b>	The EC <sub>50</sub> value of mouse MIP-2/CXCL2 on Ca <sup>2+</sup> mobilization assay in CHO-K1/Gα15/mCXCR2 cells (human Gα15 and mouse CXCR2 stably expressed in CHO-K1 cells) is less than 1.0 ng/ml.
<b>Expression System</b>	E. coli
<b>Apparent Molecular Weight</b>	~8 kDa, on SDS-PAGE under reducing conditions.
<b>Formulation</b>	Lyophilized after extensive dialysis against PBS.
<b>Reconstitution</b>	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH <sub>2</sub> O or PBS up to 100 μg/ml.
<b>Storage &amp; Stability</b>	Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

## Background

**Target Background :** Chemokine (C-X-C motif) ligand 2 (CXCL2) is a small cytokine belonging to the CXC chemokine family that is also referred to as macrophage inflammatory protein 2-alpha (MIP2-alpha), Growth-regulated protein beta (Gro-beta) and Gro oncogene-2 (Gro-2). CXCL2 is secreted by monocytes and macrophages and is chemotactic for polymorphonuclear leukocytes and hematopoietic stem cells. CXCL2' s amino acid sequence is 90% identical to the amino acid sequence of related chemokine, CXCL1. CXCL2 signals through the CXCR2 receptor.

**Synonyms :** SCYB2; GRO2; GROβ; MIP-2α; MGSA-β; CINC-2α; MGSA beta

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