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Datasheet for ABIN2648786  
**CXCL2 ELISA Kit**

### Overview

Quantity:	96 tests
Target:	CXCL2
Reactivity:	Rat
Application:	ELISA

### Product Details

Purpose:	Rat Macrophage inflammatory protein-2 (MIP-2) ELISA Assay Kit (enzyme-linked immunoassay kit) is intended for the quantitative determination of rat macrophage inflammatory protein-2 (MIP-2) concentrations in cell culture supernates, serum, and plasma.
Sample Type:	Serum, Plasma, Cell Culture Cells
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	Rat Macrophage inflammatory protein-2 (MIP-2) ELISA Assay Kit is for research use only and not to be used in diagnostic procedures.

### Target Details

Target:	CXCL2
Alternative Name:	MIP-2 ( <a href="#">CXCL2 Products</a> )
Pathways:	<a href="#">Cellular Response to Molecule of Bacterial Origin</a>

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

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Assay Time: 3.5 h

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Plate: Pre-coated

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Protocol: Macrophage inflammatory protein-2(MIP-2) was originally identified as a heparin binding protein secreted from a murine macrophage cell line in response to endotoxin stimulation. The protein is produced by a variety of cell types, including intestinal epithelium, macrophages, astrocytes and fibroblasts. Homologs of the mouse MIP-2 have been identified in human, rat and cotton rat. MIP-2 is an ELR-containing member of the alpha (CXC) subfamily of chemokines. The cotton rat MIP-2 gene encodes a 101 amino acid (aa) residue precursor protein with a 28 aa putative signal peptide that is cleaved to generate the 73 aa mature protein. Mature cotton rat MIP-2 has two intrachain disulfide bonds and no potential glycosylation sites. It shares approximately 79 % and 85 % aa sequence identity with rat CINC-3 and mouse MIP-2, respectively. MIP-2 is a potent neutrophil attractant and activator. MIP-2 binds and activates the chemokine receptor CXCR-2. The recombinant cotton rat MIP-2 has been shown to bind and activate the human CXCR-2.

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Restrictions: For Research Use only

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## Handling

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Storage: 4 °C

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