

Datasheet for ABIN4987025

CXCL2 ELISA Kit[Go to Product page](#)**1** Image

Overview

Quantity:	96 tests
Target:	CXCL2
Reactivity:	Rat
Method Type:	Sandwich ELISA
Detection Range:	0.03-2.0 ng/mL
Minimum Detection Limit:	0.03 ng/mL
Application:	ELISA

Product Details

Sample Type:	Cell Culture Supernatant, Serum, Plasma (heparin), Plasma (citrate), Plasma (EDTA)
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Natural and recombinant Rat MIP-2 Ligand
Sensitivity:	15 pg/mL
Material not included:	<ul style="list-style-type: none">• Microplate reader.• Pipettes and pipette tips.• EP tube Deionized or distilled water.

Target Details

Target:	CXCL2
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Target Details

Alternative Name: MIP-2 ([CXCL2 Products](#))

Background: Macrophage inflammatory protein-2(MIP-2) was originally identified as a heparinbinding 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.

Pathways: [Cellular Response to Molecule of Bacterial Origin](#)

Application Details

Application Notes: Detection Wavelength: 450 nm

Sample Volume: 20 µL

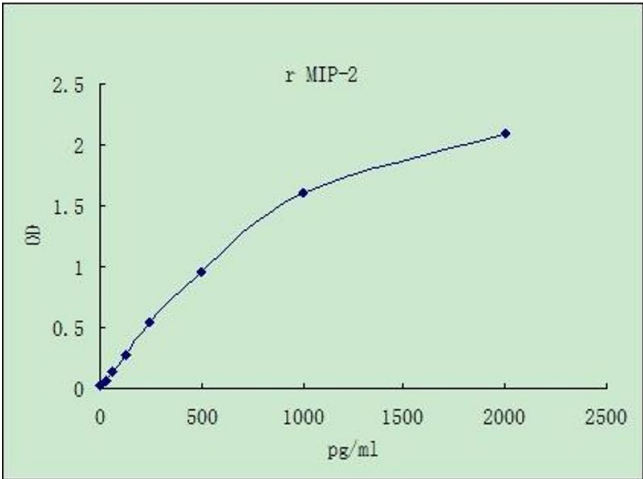
Assay Time: 3 h

Plate: Pre-coated

Restrictions: For Research Use only

Handling

Storage: 4 °C



ELISA

Image 1.