



Rat macrophage inflammatory protein 2,MIP-2

ELISA kit

Product Code	CSB-E07419r
Protein Biological Process 2	chemokine
Abbreviation	CXCL2
Protein Biological Process 1	Immunity
Target Name	chemokine (C-X-C motif) ligand 2
Uniprot No.	P30348
Alias	CINC-2a, GRO2, GROb, MGSA-b, MIP-2a, MIP2, MIP2A, SCYB2, GRO2 oncogene MGSA beta melanoma growth stimulatory activity beta
Product Type	ELISA Kit
Immunogen Species	Rattus norvegicus (Rat)
Protein Biological Process 3	Chemotaxis
Sample Types	serum, plasma, tissue homogenates
Detection Range	78 pg/mL-5000 pg/mL
Sensitivity	19.5 pg/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Immunology
Gene Names	Cxcl2
Tag Info	quantitative
Protein Description	Sandwich

Description

The rat MIP-2 ELISA Kit is intended to measure rat MIP-2 in serum, plasma, or tissue homogenates. This assay uses the bi-antibody sandwich technique and enzyme-substrate chromogenic reaction to quantify rat MIP-2 concentration. The intensity of the colored product is directly proportional to the concentration of MIP-2 present in the sample. This rat MIP-2 ELISA kit has high specificity and excellent sensitivity.



MIP-2, also called CXCL2, is a peptide derived from monocytes/ macrophages that attracts and recruits neutrophils to inflamed sites through the p38 MAPK-dependent signaling pathway, by binding to CXCR1 and CXCR2. CXCL2-recruited and activated neutrophils can accelerate liver inflammation by releasing various inflammatory mediators. CXCL2 expression is increased during hepatic I/R injury. Some studies have demonstrated that CXCL2 is overexpressed in breast, colon, prostate, and bladder cancers. While CXCL2 is down-regulated in HCC cell lines, inhibiting hepatocellular carcinoma (HCC) cell proliferation in vitro.

Product Precision

Linearity

Recovery

Typical

Msds

{"0":{"fileurl":"https://www.cusabio.com/uploadfile/msds/MSDS CSB-E07419r.pdf","filename":"MSDS"}}