

Rat chemokine (C-X-C motif) ligand 2 ELISA Kit | CXCL2 elisa kit

Rat macrophage inflammatory protein 2, MIP-2 ELISA Kit

CATALOG #
AAA79672

REACTIVITY
Rat

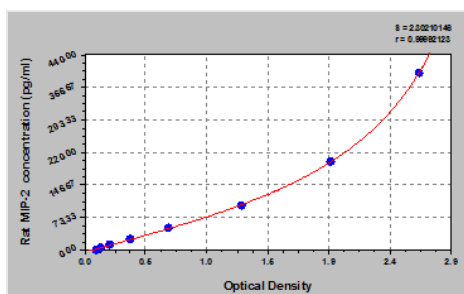
PRODUCT SYNONYMS

chemokine (C-X-C motif) ligand 2; Rat macrophage inflammatory protein 2; MIP-2 ELISA Kit; MIP-2 ELISA kit; CINC-2a; GRO2; GROb; MGSA-b; MIP-2a; MIP2; MIP2A; SCYB2; GRO2 oncogene; MGSA beta; melanoma growth stimulatory activity beta; CXCL2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat MIP-2. No significant cross-reactivity or interference between rat MIP-2 and analogues was observed.
Sequence Length	100
Samples	Serum, plasma, cell culture supernates, tissue homogenates
Assay Type	Sandwich
Detection Range	6.25 pg/ml -400 pg/ml.
Sensitivity	The minimum detectable dose of rat MIP-2 is typically less than 1.56 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CXCL2 elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for MIP-2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MIP-2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MIP-2 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MIP-2 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	16758460
NCBI GeneID	114105
NCBI Accession #	NP_446099.1
NCBI GenBank Nucleotide #	NM_053647.1
UniProt Accession #	P30348; Q5WA60
Molecular Weight	10,783 Da
NCBI Official Full Name	C-X-C motif chemokine 2
NCBI Official Synonym Full Names	chemokine (C-X-C motif) ligand 2
NCBI Official Symbol	Cxcl2
NCBI Official Synonym Symbols	Mip-2; Scyb2
NCBI Protein Information	C-X-C motif chemokine 2; MIP2; CINC-3; macrophage inflammatory protein 2; small inducible cytokine subfamily, member 2; cytokine-induced neutrophil chemoattractant 3
UniProt Protein Name	C-X-C motif chemokine 2
UniProt Gene Name	Cxcl2
UniProt Synonym Gene Names	Cinc3; Mip-2; Mip2; Scyb2; CINC-3; MIP2
UniProt Entry Name	CXCL2_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cxcl2-rat-elisa-kits/chemokine-c-x-c-motif-ligand-2/79672>