

Rat CXCL2/MIP-2 PicoKine ELISA Kit | Cxcl2 elisa kit

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CATALOG #
AAA46185

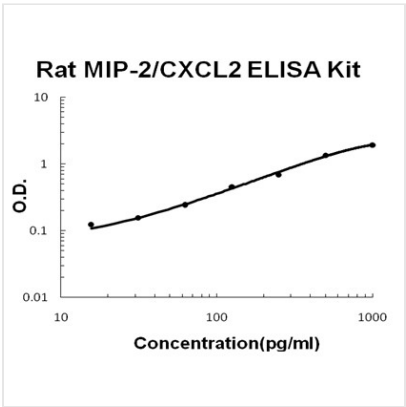
REACTIVITY
Rat

PRODUCT SYNONYMS

CXCL2/MIP-2 PicoKine; Rat CXCL2/MIP-2 PicoKine ELISA Kit; C-X-C motif chemokine 2; Chemokine (C-X-C motif) ligand 2; CINC-2a; Cxcl2; CXCL2_HUMAN; Gro beta; Gro-beta; GRO-beta(5-73); GRO-beta-T; GRO2; GRO2 oncogene; GROb; Growth-regulated protein beta; Hematopoietic synergistic factor; HSF; Macrophage inflammatory protein 2-alpha; Melanoma growth stimulatory activity beta; MGSA beta; MGSA-b; MIP 2; MIP 2a; MIP2; MIP2-alpha; MIP2A; SB-251353; SCYB2; chemokine (C-X-C motif) ligand 2; Cxcl2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant rat MIP-2
Sequence Length	100
Assay Range	15.6pg/ml-1000pg/ml
Sensitivity	<10pg/ml
Sample	For quantitative detection of rat MIP-2 in cell culture supernates, serum and plasma(heparin, EDTA).
Immunogen	E Coli, S32-N100
Assay Procedure Step 1	Aliquot 0.1ml per well of the 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml, 15.6pg/ml rat MIP-2 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of rat cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each rat MIP-2 standard solution and each sample be measured in duplicate.
Intra-Assay Precision	Inter-Assay Precision Sample 1 2 3 1 2 3 n 16 16 16 24 24 24 Mean(pg/ml) 113 355 627 134 387 653 Standard deviation 4.97 18.46 25.73 6.96 21.28 39.18 CV(%) 4.4 5.2 5.7 5.2 5.5 6.0
Sample Data	Concentration(pg/ml) 0 15.6 31.2 62.5 125 250 500 1000 O.D. 0.059 0.124 0.156 0.244 0.451 0.684 1.346 1.916
Anticoagulant	Heparin or EDTA
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.



Standard Curve (Sample)
Rat CXCL2 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for Cxcl2 elisa kit	Principle of the assay: Rat MIP-2 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for MIP-2 has been precoated onto 96-well plates. Standards (E Coli, S32-N100) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for MIP-2 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the rat MIP-2 amount of sample captured in plate. Background: MIP is a member of the aquaporin family of membrane-bound water channels. MIP family proteins are thought to contain 6 TM domains. Sequence analysis suggests that the proteins may have arisen through tandem, intragenic duplication from an ancestral protein that contained 3 TM domains. Major intrinsic protein (MIP, also called MP26) is the predominant fiber cell membrane protein of the ocular lens. The major intrinsic protein (MIP) of the vertebrate eye lens is the first identified member of a sequence-related family of cell-membrane proteins that appears to have evolved by gene duplication. Several members of the MIP family transport water (aquaporins), glycerol and other small molecules in microbial, plant and animal cells.
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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	C-X-C motif chemokine ligand 2
NCBI Official Symbol	Cxcl2
NCBI Official Synonym Symbols	Mip-2; Scyb2
NCBI Protein Information	C-X-C motif chemokine 2
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/rat-elisa-kits/cxcl2-mip-2-picokine/46185>