

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

Rat CXCL2/MIP-2 PicoKine Quick ELISA Kit

CATALOG # AAA126808	REACTIVITY Rat	APPLICATIONS ELISA
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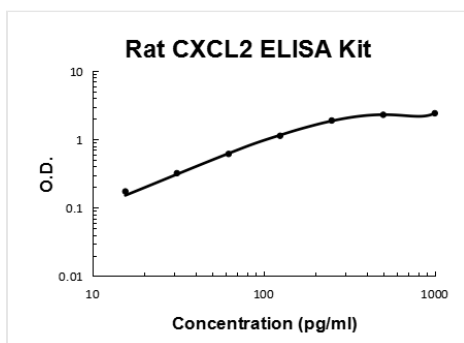
PRODUCT SYNONYMS

CXCL2/MIP-2; Rat CXCL2/MIP-2 PicoKine Quick ELISA Kit; CXCL2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant Rat Cxcl2
Assay Type	Sandwich
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA)
Detection Range	15.6 pg/ml - 1,000 pg/ml
Sensitivity	<10 pg/ml
Applicable Applications for CXCL2 elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)

Rat CXCL2 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CXCL2 elisa kit	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. Principle of the Assay: The Quick Picokine™ Rat Cxcl2 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Rat Cxcl2 in cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA). It uses our proprietary Quick ELISA technology. Quick ELISA technology employs capture antibodies conjugated to an affinity tag that is recognized by the polyclonal antibody used to coat our Quick ELISA plates. This approach to sandwich ELISA allows the formation of the antibody-analyte sandwich complex in a single step, significantly reducing assay time. The kit includes Rat Cxcl2 protein as standards. To measure Rat Cxcl2, add standards and samples to the wells, then add antibody cocktail. Wash the wells with PBS or TBS buffer, and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product is linearly proportional to Rat Cxcl2 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Rat Cxcl2 in the sample.
Product Categories/Family for CXCL2 elisa kit	PicoKine ELISA Kits , Fast ELISA Kits

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; CINC-3; MIP2; cytokine-induced neutrophil chemoattractant 3; macrophage inflammatory protein 2; small inducible cytokine subfamily, member 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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