

Rat CXCL2 ELISA Kit | CXCL2 elisa kit

Rat CXCL2 ELISA Kit

CATALOG # AAA261748	REACTIVITY Rat	APPLICATIONS ELISA
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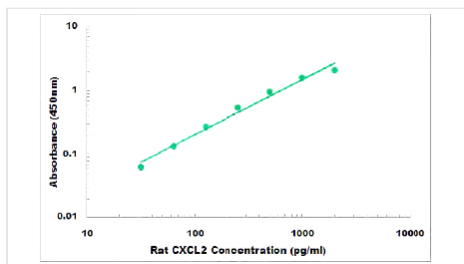
PRODUCT SYNONYMS

CXCL2; Rat CXCL2 ELISA Kit; CINC3; MIP-2; MIP2; SCYB2; C-X-C motif chemokine 2; Cytokine-induced neutrophil chemoattractant 3; CINC-3; Macrophage inflammatory protein 2; CXCL2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	The Rat CXCL2 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Rat CXCL2 proteins within the range of 31.3 pg/ml - 2000 pg/ml.
Sequence Length	100
Samples	Cell Culture Supernatants, Serum, Plasma.
Sensitivity	15 pg/ml.
Applicable Applications for CXCL2 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CXCL2 elisa kit	Principle of the Assay The Rat CXCL2 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Rat CXCL2 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Rat CXCL2 coated on a 96-well plate. Standards and samples are pipetted into the wells and CXCL2 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Rat CXCL2 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of CXCL2 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background/Introduction: 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 #	266536
NCBI GeneID	114105
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.