

Rat CXCL1 ELISA Kit | CXCL1 elisa kit

Rat CXCL1 ELISA Kit

CATALOG # AAA105581	REACTIVITY Rat	APPLICATIONS ELISA
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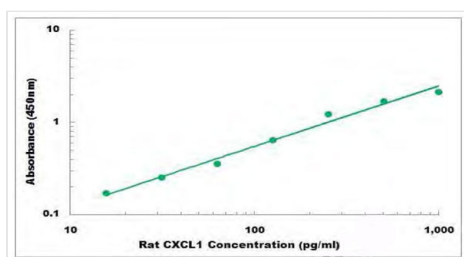
PRODUCT SYNONYMS

CXCL1; Rat CXCL1 ELISA Kit; GRO; GRO1; GROA; MGSA; SCYB1; Growth-regulated alpha protein; C-X-C motif chemokine 1; GRO-alpha(1-73); Melanoma growth stimulatory activity; Neutrophil-activating protein 3; NAP-3; CXCL1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	The Rat CXCL1 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Rat CXCL1 proteins within the range of 15.6 pg/ml - 1000 pg/ml.
Sequence Length	96
Samples	Culture Supernatants, Serum, Plasma
Sensitivity	< 8 pg/ml
Applicable Applications for CXCL1 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 CXCL1 elisa kit	Background: Chemokine (C-X-C motif) ligand 1 (CXCL1) is a small cytokine belonging to the CXC chemokine family that was previously called GRO1 oncogene, GROalpha, KC, Neutrophil-activating protein 3 (NAP-3) and melanoma growth stimulating activity, alpha (MSGA-alpha). In humans, this protein is encoded by the CXCL1 gene. The gene for CXCL1 is located on human chromosome 4 amongst genes for other CXC chemokines. The mature form of CXCL1 is maximally 73 amino acids long. CXCL1 is secreted by human melanoma cells, has mitogenic properties and is implicated in melanoma pathogenesis. CXCL1 is expressed by macrophages, neutrophils and epithelial cells, and has neutrophil chemoattractant activity. This chemokine elicits its effects by signaling through the chemokine receptor CXCR2.CXCL1 decreased the severity of multiple sclerosis and may offer a neuro-protective function. Principle of the Assay: The Rat CXCL1 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Rat CXCL1 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Rat CXCL1 coated on a 96-well plate. Standards and samples are pipetted into the wells and CXCL1 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Rat CXCL1 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 CXCL1 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13540652
NCBI GeneID	81503
NCBI Accession #	NP_110472.1
NCBI GenBank Nucleotide #	NM_030845.1
UniProt Accession #	P14095
Molecular Weight	10,249 Da
NCBI Official Full Name	growth-regulated alpha protein
NCBI Official Synonym Full Names	chemokine (C-X-C motif) ligand 1
NCBI Official Symbol	Cxcl1
NCBI Official Synonym Symbols	Gro1; CINC-1
NCBI Protein Information	growth-regulated alpha protein; C-X-C motif chemokine 1; cytokine-induced neutrophil chemoattractant 1; platelet-derived growth factor-inducible protein KC; chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)
UniProt Protein Name	Growth-regulated alpha protein
UniProt Gene Name	Cxcl1
UniProt Synonym Gene Names	Cinc1; Gro; Scyb1; CINC-1
UniProt Entry Name	GROA_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.