

Mouse CXCL1 ELISA Kit | CXCL1 elisa kit

Mouse CXCL1 PicoKine ELISA Kit

CATALOG #
AAA45249

REACTIVITY
Mouse

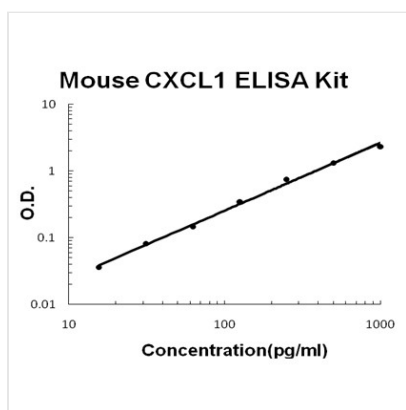
PRODUCT SYNONYMS

CXCL1; Mouse CXCL1 PicoKine ELISA Kit; C-X-C motif chemokine 1; chemokine (C-X-C motif) ligand 1; chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity; alpha); fibroblast secretory protein; FSP; GRO; GRO1; GRO1 oncogene (melanoma growth stimulating activity; GRO1 oncogene (melanoma growth-stimulating activity); GROa; growth-regulated alpha protein; Melanoma growth stimulatory activity; melanoma growth stimulatory activity alpha; MGSA; MGSA a; MGSA alpha; NAP 3; Neutrophil-activating protein 3; SCYB1; CXCL1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse CXCL1
Sequence Length	96
Samples	Cell culture supernates and serum
Assay Type	Sandwich
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	< 1pg/ml
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Mouse CXCL1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CXCL1 elisa kit	Principle of the assay: mouse CXCL1 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for CXCL1 has been precoated onto 96-well plates. Standards(E. coli, R20-K96) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for CXCL1 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 mouse CXCL1 amount of sample captured in plate. 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. The standard product used in this kit is recombinant mouse CXCL1, consisting of 77 amino acids with the molecular mass of 8KDa.
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NCBI AND UNIPROT INFORMATION

NCBI GeneID	14825
UniProt Accession #	A2RTH0; P12850
Molecular Weight	10,254 Da
NCBI Official Synonym Full Names	chemokine (C-X-C motif) ligand 1
NCBI Official Symbol	Cxcl1
NCBI Official Synonym Symbols	KC; Fsp; N51; gro; Gro1; Mgsa; Scyb1
NCBI Protein Information	growth-regulated alpha protein; KC/GR)-alpha; KC/GRO-alpha; GRO1 oncogene; alpha-chemokine; secretory protein N51; C-X-C motif chemokine 1; platelet-derived growth factor-inducible protein KC
UniProt Protein Name	C-X-C motif chemokine
UniProt Gene Name	Cxcl1
UniProt Entry Name	A2RTH0_MOUSE

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.