

Mouse Chemokine (C-X-C Motif) Ligand 1 (CXCL1) ELISA Kit | Cxcl1 elisa kit

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CATALOG #
AAA219789

REACTIVITY
Mouse

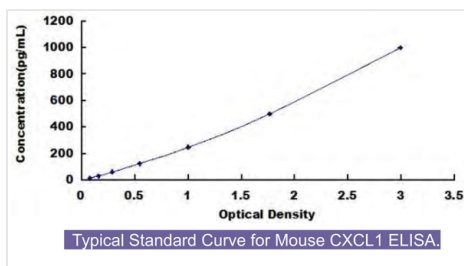
PRODUCT SYNONYMS

Chemokine (C-X-C Motif) Ligand 1 (CXCL1); Mouse Chemokine (C-X-C Motif) Ligand 1 (CXCL1) ELISA Kit; CXCL1; GRO1; GROa; GRO-A; MGSA-A; NAP3; SCYB1; Chemokine C-X-C-Motif Ligand 1; Melanoma Growth Stimulating Activity Alpha; Fibroblast Secretory Protein; Cxcl1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CXCL1. No significant cross-reactivity or interference between CXCL1 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids
Detection Range	15.6-1000pg/mL
Sensitivity	< 5.8pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CXCL1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CXCL1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Shelf Life: 12 months

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Cxcl1 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CXCL1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CXCL1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CXCL1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of CXCL1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of CXCL1 in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids.
Product Categories/Family for Cxcl1 elisa kit	Traditional ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	6680109
NCBI GeneID	14825
NCBI Accession #	NP_032202.1
NCBI GenBank Nucleotide #	NM_008176.3
UniProt Accession #	P12850
Molecular Weight	10,254 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	KC; Fsp; N51; gro; Gro1; Mgsa; Scyb1
NCBI Protein Information	growth-regulated alpha protein; C-X-C motif chemokine 1; GRO1 oncogene; KC/GR)-alpha; KC/GRO-alpha; alpha-chemokine; platelet-derived growth factor-inducible protein KC; secretory protein N51
UniProt Protein Name	Growth-regulated alpha protein
UniProt Gene Name	Cxcl1
UniProt Synonym Gene Names	Gro; Gro1; Mgsa; Scyb1; HSF
UniProt Entry Name	GROA_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.