

Human CXCL1 ELISA Kit | CXCL1 elisa kit

CXCL1 ELISA

CATALOG #
AAA72622

REACTIVITY
Human

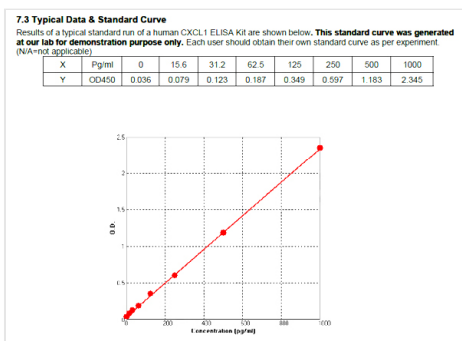
PRODUCT SYNONYMS

CXCL1; CXCL1 ELISA; CXCL1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	107
Samples	Human serum, plasma or cell culture supernates
Assay Type	Sandwich
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	<1pg/ml
Intended Uses	For detection of CXCL1 in human serum, plasma or cell culture supernates. For research use only.
Preparation and Storage	2 - 8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CXCL1 elisa kit	Principle of the assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-CXCL1 polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-CXCL1 polyclonal antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with wash buffer. TMB substrates were 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 CXCL1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of CXCL1 can be calculated. Background: Chemokine (C-X-C motif) ligand 1 (CXCL1), also called GRO1 oncogene, GROalpha, KC, Neutrophil-activating protein 3 (NAP-3) and melanoma growth stimulating activity, alpha (MSGA-alpha), is a small cytokine belonging to the CXC chemokine family. In humans, this protein is encoded by the CXCL1 gene. CXCL1 is secreted by human melanoma cells, has mitogenic properties and is implicated in melanoma pathogenesis. It is expressed by macrophages, neutrophils and epithelial cells, and has neutrophil chemoattractant activity. CXCL1 plays a role in spinal cord development by inhibiting the migration of oligodendrocyte precursors and is involved in the processes of angiogenesis, inflammation, wound healing, and tumorigenesis.
Product Categories/Family for CXCL1 elisa kit	Cytokines & Cell Signalling; Oncology; Research Assays; Assay Categories

NCBI AND UNIPROT INFORMATION

NCBI GI #	15080462
NCBI GeneID	2919
Molecular Weight	11,301 Da
NCBI Official Full Name	Chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)
NCBI Official Synonym Full Names	chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)
NCBI Official Symbol	CXCL1
NCBI Official Synonym Symbols	FSP; GRO1; GROa; MSGA; NAP-3; SCYB1; MSGA-a
NCBI Protein Information	growth-regulated alpha protein; C-X-C motif chemokine 1; GRO-alpha(1-73); GRO1 oncogene (melanoma growth stimulating activity, alpha); GRO1 oncogene (melanoma growth-stimulating activity); MSGA alpha; fibroblast secretory protein; melanoma growth stimulatory activity alpha; neutrophil-activating protein 3
UniProt Protein Name	Growth-regulated alpha protein
UniProt Gene Name	CXCL1
UniProt Synonym Gene Names	GRO; GRO1; GROA; MSGA; SCYB1; MSGA; NAP-3
UniProt Entry Name	GROA_HUMAN

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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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/cxcl1/72622>