

Human GROalpha/CXCL1 ELISA Kit | GROalpha/CXCL1 elisa kit

Human GROalpha/CXCL1 (Growth Regulated Oncogene Alpha) ELISA Kit

CATALOG #
AAA163405

REACTIVITY
Human

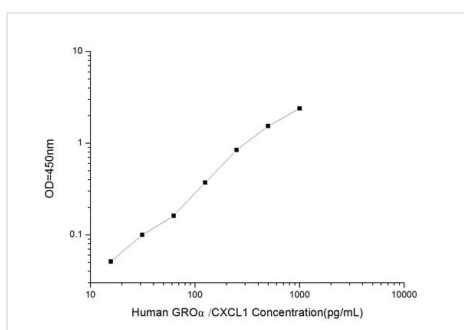
PRODUCT SYNONYMS

GROalpha/CXCL1; Human GROalpha/CXCL1 (Growth Regulated Oncogene Alpha) ELISA Kit; GROalpha/CXCL1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human GROalpha/CXCL1 in samples. No significant cross-reactivity or interference between Human GROalpha/CXCL1 and analogues was observed.
Sequence Length	107
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	15.63-1000pg/mL
Sensitivity	9.38pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human GROalpha/CXCL1 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Human GROalpha/CXCL1 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GROalpha/CXCL1 elisa kit	Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human GROalpha/CXCL1. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human GROalpha/CXCL1 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human GROalpha/CXCL1, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzymesubstrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The OD value is proportional to the concentration of Human GROalpha/CXCL1. You can calculate the concentration of Human GROalpha/CXCL1 in the samples by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Human GROalpha/CXCL1 concentrations in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504153
NCBI GeneID	2919
NCBI Accession #	NP_001502.1
NCBI GenBank Nucleotide #	NM_001511.3
Molecular Weight	11,301 Da
NCBI Official Full Name	growth-regulated alpha protein
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; MGSA; NAP-3; SCYB1; MGSA-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); MGSA 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; MGSA; SCYB1; MGSA; 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.