

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

Mouse CXCL1/GROalpha (Growth Regulated Oncogene Alpha)

CATALOG #
AAA102633

REACTIVITY
Mouse

PRODUCT SYNONYMS

CXCL1/GROalpha (Growth Regulated Oncogene Alpha); Mouse CXCL1/GROalpha (Growth Regulated Oncogene Alpha); CXCL1/GROalpha (Growth Regulated Oncogene Alpha)/NAP3/GRO1/GRO-A/MGSA/MGSA-A/SCYB1/FSP/CINC-1; CXCL1/GROalpha (Growth Regulated Oncogene Alpha) elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CXCL1/GROalpha . No significant cross-reactivity or interference between CXCL1/GROalpha and analogues was observed.
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CXCL1/GROalpha were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CXCL1/GROalpha were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard run of a CXCL1/GROα ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	15.625	31.25	62.5	125	250	500	1000
Y	OD450	0.099	0.155	0.224	0.271	0.379	0.76	1.323	2.275

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CXCL1/GROalpha (Growth Regulated Oncogene Alpha) elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-CXCL1/GROalpha antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- CXCL1/GROalpha 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. HRP-Streptavidin 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/GROalpha amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of CXCL1/GROalpha can be calculated.

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.

