

Human Granulocyte Chemotactic Protein 2 (GCP2) ELISA Kit | GCP2 elisa kit

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CATALOG #
AAA137096

REACTIVITY
Human

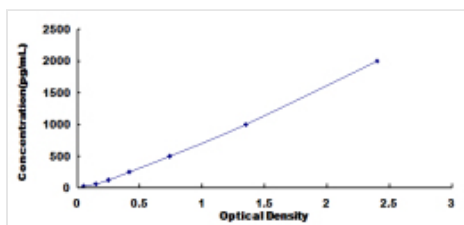
PRODUCT SYNONYMS

Granulocyte Chemotactic Protein 2 (GCP2); Human Granulocyte Chemotactic Protein 2 (GCP2) ELISA Kit; CXCL6; SCYB6; GCP2; CKA-3; Chemokine(C-X-C-Motif)ligand 6; Small Inducible Cytokine Subfamily B(Cys-X-Cys)Member 6; Chemokine alpha 3; Small-inducible cytokine B6; GCP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Granulocyte Chemotactic Protein 2 (GCP2). No significant cross-reactivity or interference between Granulocyte Chemotactic Protein 2 (GCP2) and analogues was observed.
Sequence Length	114
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	6.5pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Granulocyte Chemotactic Protein 2 (GCP2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Granulocyte Chemotactic Protein 2 (GCP2) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GCP2 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Granulocyte Chemotactic Protein 2 (GCP2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Granulocyte Chemotactic Protein 2 (GCP2). 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 Granulocyte Chemotactic Protein 2 (GCP2), 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 Granulocyte Chemotactic Protein 2 (GCP2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for GCP2 elisa kit	Cytokine; Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	1916230
NCBI GeneID	6372
UniProt Accession #	P80162; Q4W5D4; B2R4X3
Molecular Weight	11,897 Da
NCBI Official Full Name	granulocyte chemotactic protein-2
NCBI Official Synonym Full Names	chemokine (C-X-C motif) ligand 6
NCBI Official Symbol	CXCL6
NCBI Official Synonym Symbols	GCP2; CKA-3; GCP-2; SCYB6
NCBI Protein Information	C-X-C motif chemokine 6
UniProt Protein Name	C-X-C motif chemokine 6
UniProt Gene Name	CXCL6
UniProt Synonym Gene Names	GCP2; SCYB6; CKA-3; GCP-2
UniProt Entry Name	CXCL6_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://stage.aaabiotech.com/human-elisa-kits/granulocyte-chemotactic-protein-2-gcp2/137096>