

Human CXCL6/GCP2 ELISA Kit | CXCL6 elisa kit

Human CXCL6/GCP2 PicoKine Quick ELISA Kit

CATALOG # AAA126786	REACTIVITY Human	APPLICATIONS ELISA
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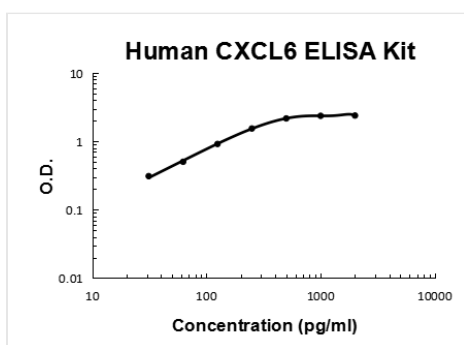
PRODUCT SYNONYMS

CXCL6/GCP2; Human CXCL6/GCP2 PicoKine Quick ELISA Kit; CXCL6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human CXCL6
Assay Type	Sandwich
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA)
Detection Range	31.2 pg/ml - 2,000 pg/ml
Sensitivity	<10 pg/ml
Applicable Applications for CXCL6 elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)

Human CXCL6 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CXCL6 elisa kit	Background: Chemokine(C-X-C motif) ligand 6(CXCL6) is a small cytokine belonging to the CXC chemokine family that is also known as granulocyte chemotactic protein 2(GCP-2). As its former name suggests, CXCL6 is a chemoattractant for neutrophilic granulocytes. It elicits its chemotactic effects by interacting with the chemokine receptors CXCR1 and CXCR2. The gene for CXCL6 is located on human chromosome 4 in a cluster with other CXC chemokine genes. Principle of the Assay: The Quick Picokine™ Human CXCL6 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human CXCL6 in cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA). It uses our proprietary Quick ELISA technology. Quick ELISA technology employs capture antibodies conjugated to an affinity tag that is recognized by the polyclonal antibody used to coat our Quick ELISA plates. This approach to sandwich ELISA allows the formation of the antibody-analyte sandwich complex in a single step, significantly reducing assay time. The kit includes Human CXCL6 protein as standards. To measure Human CXCL6, add standards and samples to the wells, then add antibody cocktail. Wash the wells with PBS or TBS buffer, and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product is linearly proportional to Human CXCL6 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human CXCL6 in the sample.
Product Categories/Family for CXCL6 elisa kit	PicoKine ELISA Kits, Fast ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506851
NCBI GeneID	6372
NCBI Accession #	NP_002984.1
NCBI GenBank Nucleotide #	NM_002993.3
UniProt Accession #	P80162; Q4W5D4; B2R4X3
Molecular Weight	11,897 Da
NCBI Official Full Name	C-X-C motif chemokine 6
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; Small inducible cytokine subfamily B (Cys-X-Cys), member b; chemokine (C-X-C motif) ligand 6 (granulocyte chemotactic protein 2); chemokine alpha 3; small inducible cytokine subfamily B (Cys-X-Cys), member 6 (granulocyte chemotact
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.