

Rat Granulocyte Chemotactic Protein 2 ELISA Kit | GCP2 elisa kit

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CATALOG #
AAA85403

REACTIVITY
Rat

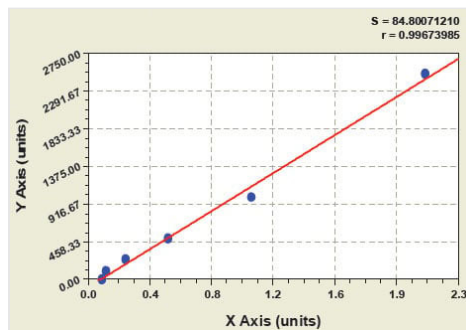
PRODUCT SYNONYMS

Granulocyte Chemotactic Protein 2; Rat Granulocyte Chemotactic Protein 2 ELISA Kit; GCP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/ml
Intended Uses	This GCP2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat GCP2. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GCP2 elisa kit

Principle of the Assay: GCP2 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for GCP2. Standards or samples are then added to the microtiter plate wells and GCP2 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of GCP2 present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for GCP2 are added to each well to "sandwich" the GCP2 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain GCP2 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GCP2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5729840
NCBI GeneID	10844
NCBI Accession #	NP_006650.1
NCBI GenBank Nucleotide #	NM_006659.3
Molecular Weight	105,628 Da
NCBI Official Full Name	gamma-tubulin complex component 2 isoform 2
NCBI Official Synonym Full Names	tubulin, gamma complex associated protein 2
NCBI Official Symbol	TUBGCP2
NCBI Official Synonym Symbols	GCP2; GCP-2; h103p; hGCP2; SPBC97; Spc97p; hSpc97; Grip103
NCBI Protein Information	gamma-tubulin complex component 2; hGrip103; gamma-ring complex protein 103 kDa; spindle pole body protein Spc97 homolog
UniProt Protein Name	Gamma-tubulin complex component 2
UniProt Gene Name	TUBGCP2
UniProt Synonym Gene Names	GCP2; GCP-2; hGCP2; h103p; hGrip103; hSpc97
UniProt Entry Name	GCP2_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.