

Human Gastricsin (PGC) ELISA Kit | PGC elisa kit

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CATALOG #
AAA244352

REACTIVITY
Human

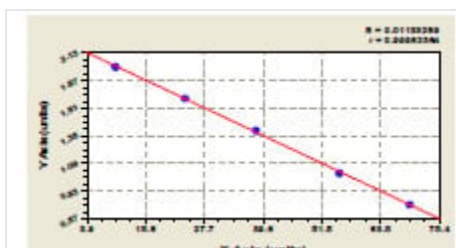
PRODUCT SYNONYMS

Gastricsin (PGC); Human Gastricsin (PGC) ELISA Kit; PGC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PGC elisa kit

Intended Uses: This PGC ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PGC. This ELISA kit for research use only!

Principle of the Assay||PGC ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PGC antibody and an PGC-HRP conjugate. The assay sample and buffer are incubated together with PGC-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PGC concentration since PGC from samples and PGC-HRP conjugate compete for the anti-PGC antibody binding site. Since the number of sites is limited, as more sites are occupied by PGC from the sample, fewer sites are left to bind PGC-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PGC concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505757
NCBI GeneID	5225

NCBI Accession #	NP_002621.1
NCBI GenBank Nucleotide #	NM_002630.3
Molecular Weight	34,208 Da
NCBI Official Full Name	gastricsin isoform 1 preproprotein
NCBI Official Synonym Full Names	progastricsin (pepsinogen C)
NCBI Official Symbol	PGC
NCBI Official Synonym Symbols	PEPC; PGII
NCBI Protein Information	gastricsin; pepsin C; pepsinogen C; preprogastricsin; pepsinogen group II
UniProt Protein Name	Gastricsin
UniProt Gene Name	PGC
UniProt Entry Name	PEPC_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/gastricsin-pgc/244352>