

Human Gastricsin ELISA Kit | PGC elisa kit

Human Gastricsin ELISA Kit

CATALOG #
AAA101638

REACTIVITY
Human

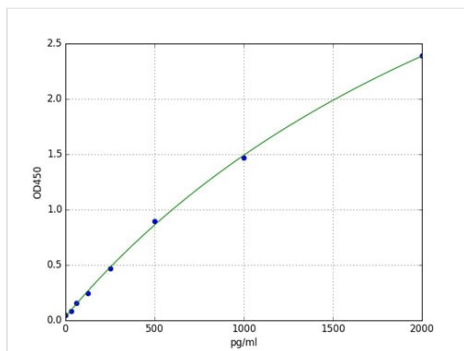
PRODUCT SYNONYMS

Gastricsin; Human Gastricsin ELISA Kit; PGC/Pepsinogen C/Gastricsin/PEPC/pepsin C/pepsinogen group II/PGII/preprogastricsin; PGC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	388
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
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



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a PGC 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	31.2	62.5	125	250	500	1000	2000
Y	OD450	0.078	0.169	0.251	0.439	0.706	1.092	1.587	2.025

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PGC elisa kit

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

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
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/pgc-human-elisa-kits/gastricsin/101638>