

Chicken Pepsinogen C (PGC) ELISA Kit | PGC elisa kit

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CATALOG #
AAA63407

REACTIVITY
Chicken

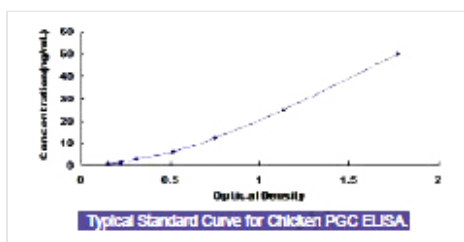
PRODUCT SYNONYMS

Pepsinogen C (PGC); Chicken Pepsinogen C (PGC) ELISA Kit; PG-C Progastricsin Gastricsin; PGC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Specificity	This assay has high sensitivity and excellent specificity for detection of PGC. No significant cross-reactivity or interference between PGC and analogues was observed.
Sequence Length	389
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.781-50ng/mL
Sensitivity	0.198ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PGC were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PGC were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PGC elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PGC in chicken serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PGC. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PGC. 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 PGC, 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 PGC in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	45382395
NCBI GeneID	395690
NCBI Accession #	NP_990208.1
NCBI GenBank Nucleotide #	NM_204877.2
UniProt Accession #	Q9PWK1
Molecular Weight	42,526 Da
NCBI Official Full Name	gastricsin
NCBI Official Synonym Full Names	progastricsin (pepsinogen C)
NCBI Official Symbol	PGC
NCBI Official Synonym Symbols	CPGC; gastricsin
NCBI Protein Information	gastricsin
UniProt Protein Name	Pepsinogen C
UniProt Gene Name	cPgC

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/chicken-elisa-kits/pepsinogen-c-pgc/63407>