

Camel Pepsinogen (Pepsinogen) ELISA Kit | PGC elisa kit

Camel Pepsinogen (Pepsinogen)

CATALOG #
AAA102592

REACTIVITY
Camel

PRODUCT SYNONYMS

Pepsinogen (Pepsinogen); Camel Pepsinogen (Pepsinogen); PGC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Camel
Specificity	This assay has high sensitivity and excellent specificity for detection of Pepsinogen . No significant cross-reactivity or interference between Pepsinogen and analogues was observed.
Sequence Length	388
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	6.25-400ng/ml
Sensitivity	3.75ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Pepsinogen were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Pepsinogen were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<10%
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

Typical Data & Standard Curve

Results of a typical standard run of a Pepsinogen 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	ng/ml	0	6.25	12.5	25	50	100	200	400
Y	OD450	0.009	0.117	0.228	0.369	0.678	1.037	1.349	2.076

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-Pepsinogen antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- Pepsinogen 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 Pepsinogen amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Pepsinogen can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	551176
Molecular Weight	34,208 Da
NCBI Official Full Name	pepsinogen
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/camel-elisa-kits/pepsinogen-pepsinogen/102592>