

Rat Pepsinogen A (PGA) ELISA Kit | PGA elisa kit

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CATALOG #
AAA183062

REACTIVITY
Rat

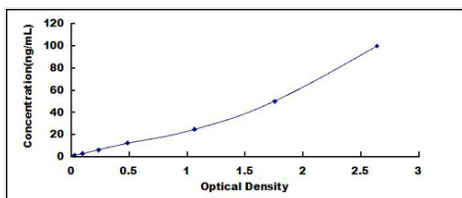
PRODUCT SYNONYMS

Pepsinogen A (PGA); Rat Pepsinogen A (PGA) ELISA Kit; PGA5; PG-A; Pepsinogen 5 Group I; Pepsinogen-5; Pepsin A-5; PGA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Pepsinogen A (PGA). No significant cross-reactivity or interference between Pepsinogen A (PGA) and analogues was observed.
Sequence Length	388
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates and Other Biological Fluids
Detection Range	1.56-100ng/mL
Sensitivity	< 0.58ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Pepsinogen A (PGA) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Pepsinogen A (PGA) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PGA elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Pepsinogen A (PGA). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Pepsinogen A (PGA). 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 Pepsinogen A (PGA), 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 Pepsinogen A (PGA) 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 #	387013
NCBI GeneID	5222
UniProt Accession #	P0DJJD9; P00790; Q7M4R0; Q8N1E3; A8K749; B7ZW62; B7ZW75
Molecular Weight	41,993 Da
NCBI Official Full Name	pepsinogen A
NCBI Official Synonym Full Names	pepsinogen 5, group I (pepsinogen A)
NCBI Official Symbol	PGA5
NCBI Official Synonym Symbols	Pg5
NCBI Protein Information	pepsin A-5
UniProt Protein Name	Pepsin A-5
UniProt Gene Name	PGA5

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/rat-elisa-kits/pepsinogen-a-pga/183062>