

Human Pepsinogen A ELISA Kit | PGA elisa kit

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CATALOG #
AAA84451

REACTIVITY
Human

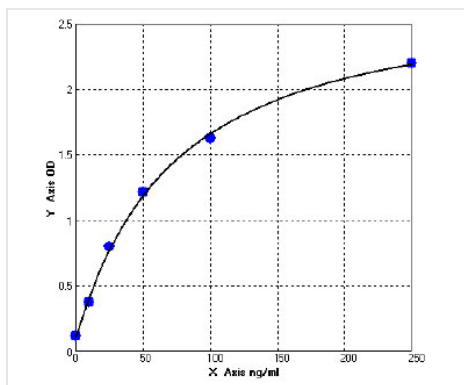
PRODUCT SYNONYMS

Pepsinogen A; Human Pepsinogen A ELISA Kit; PGA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PGA. No significant cross-reactivity or interference between PGA and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PGA and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive or Sandwich
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Intended Uses	This PGA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PGA. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PGA elisa kit	Principle of the Assay: PGA ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for PGA. Standards or samples are then added to the microtiter plate wells and PGA if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of PGA present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for PGA are added to each well to "sandwich" the PGA immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain PGA and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PGA concentration in each sample is interpolated from this standard curve. Intended Uses: This PGA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PGA. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	387013
NCBI GeneID	5222
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 Protein Information	pepsin A-5; pepsinogen-5; pepsinogen A5
UniProt Protein Name	Pepsin A-5
UniProt Gene Name	PGA5
UniProt Entry Name	PEPA5_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.