

Human Pepsin A ELISA Kit | PGA3 elisa kit

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CATALOG #
AAA99444

REACTIVITY
Human

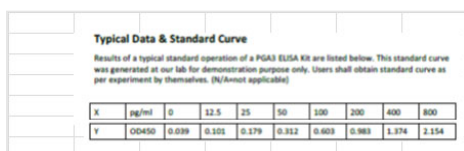
PRODUCT SYNONYMS

Pepsin A; Human Pepsin A ELISA Kit; PGA (Pepsinogen A)/PGA3/PGA4/pepsin A/pepsinogen 4; group I (pepsinogen A)/pepsinogen A4/PGA5; PGA3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PGA3. No significant cross-reactivity or interference between PGA3 and analogues was observed.
Sequence Length	385
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	1.563-100ng/ml
Sensitivity	0.938ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PGA3 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 PGA3 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



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PGA3 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-PGA3 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- PGA3 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRPStreptavidin 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 PGA3 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of PGA3 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	292658825
NCBI GeneID	396892
NCBI Accession #	NP_999038.2
NCBI GenBank Nucleotide #	NM_213873.2
Molecular Weight	41,262 Da
NCBI Official Full Name	pepsin A preproprotein
NCBI Official Symbol	PGA5
NCBI Official Synonym Symbols	PGA
NCBI Protein Information	pepsin A
UniProt Protein Name	Pepsin A
UniProt Gene Name	PGA
UniProt Entry Name	PEPA_PIG

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/pga3-human-elisa-kits/pepsin-a/99444>