

Canine Pepsinogen A ELISA Kit | PGA elisa kit

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CATALOG #
AAA16758

REACTIVITY
Canine

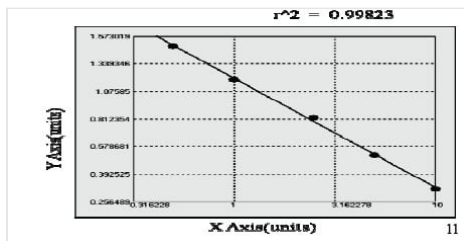
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This PGA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine 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 competitive enzyme immunoassay technique utilizing a monoclonal anti-PGA antibody and an PGA-HRP conjugate. The assay sample and buffer are incubated together with PGA-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PGA concentration since PGA from samples and PGA-HRP conjugate compete for the anti-PGA antibody binding site. Since the number of sites is limited, as more sites are occupied by PGA from the sample, fewer sites are left to bind PGA-HRP conjugate. 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.

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.

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Online datasheet: <https://stage.aaabiotech.com/pgc-canine-elisa-kits/pepsinogen-a/16758>