

Rat Pregnancy Associated Plasma Protein A ELISA Kit | PAPPa elisa kit

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CATALOG #
AAA100052

REACTIVITY
Rat

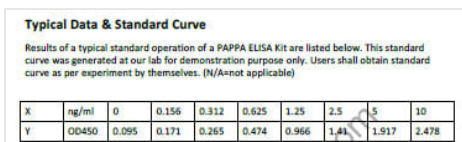
PRODUCT SYNONYMS

Pregnancy Associated Plasma Protein A; Rat Pregnancy Associated Plasma Protein A ELISA Kit; PAPP-A (Pappalysin-1)/PAPPA/PAPA/DIPLA1/IGFBP-4ase/PAPPA1/ASBAP2/Pappalysin 1/Pregnancy Associated Plasma Protein A; PAPPa elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of PAPPa. No significant cross-reactivity or interference between PAPPa and analogues was observed.
Sequence Length	200
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PAPPa 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 PAPPa 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 PAPPa elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-PAPPa antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- PAPPa 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 PAPPa amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of PAPPa can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	71025082
NCBI GeneID	397219
Molecular Weight	23,055 Da
NCBI Official Full Name	pregnancy associated plasma protein A, partial
NCBI Official Symbol	PAPPA
NCBI Official Synonym Symbols	PAPP-A
NCBI Protein Information	pregnancy-associated plasma protein A, pappalysin 1; pregnancy associated plasma protein A; pregnancy-associated plasma protein Apappalysin 1; pregnancy-associated plasma protein-A
UniProt Protein Name	Pregnancy associated plasma protein A
UniProt Entry Name	Q45XF7_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/pappa-rat-elisa-kits/pregnancy-associated-plasma-protein-a/100052>