

Mouse Pregnancy Associated Plasma Protein A (PAPPA) ELISA Kit | PAPPA elisa kit

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CATALOG #
AAA65596

REACTIVITY
Mouse

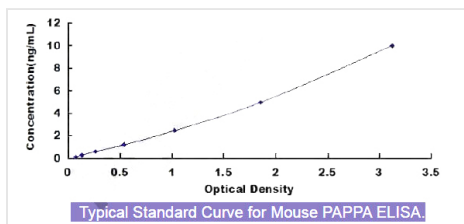
PRODUCT SYNONYMS

Pregnancy Associated Plasma Protein A (PAPPA); Mouse Pregnancy Associated Plasma Protein A (PAPPA) ELISA Kit; PAPP-A; PAPA; ASBABP2; DIPLA1; IGFBP-4ase; PAPPA1; Pappalysin 1; Insulin-Like Growth Factor Binding Protein-4 Protease; Differentially Placenta 1 Expressed Protein; PAPPA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
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	1,653
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates or other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.065ng/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<10%
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<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PAPPA elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PAPPa. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PAPPa. 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 PAPPa, 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 PAPPa in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of PAPPa in mouse serum, plasma, tissue homogenates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	59676577
NCBI GeneID	18491
NCBI Accession #	NP_067337.1
NCBI GenBank Nucleotide #	NM_021362.1
UniProt Accession #	Q8R4K8; Q80VW3; Q80YY1; Q8K423; Q8R4K7; Q9ES06; Q9JK57
Molecular Weight	184,839 Da
NCBI Official Full Name	pappalysin-1
NCBI Official Synonym Full Names	pregnancy-associated plasma protein A
NCBI Official Symbol	Pappa
NCBI Official Synonym Symbols	PAG1; PAPP-A; IGFBP-4ase; 8430414N03Rik
NCBI Protein Information	pappalysin-1
UniProt Protein Name	Pappalysin-1
UniProt Gene Name	Pappa
UniProt Synonym Gene Names	IGF-dependent IGFBP-4 protease; IGFBP-4ase; PAPP-A

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/mouse-elisa-kits/pregnancy-associated-plasma-protein-a-pappa/65596>