

Human PAPP A ELISA Kit | PAPP A elisa kit

Human PAPP A (Pregnancy Associated Plasma Protein A) ELISA Kit

CATALOG #
AAA165315

REACTIVITY
Human

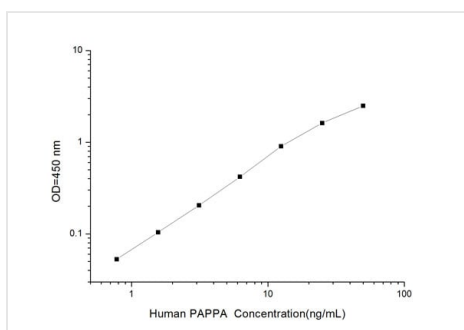
PRODUCT SYNONYMS

PAPP A; Human PAPP A (Pregnancy Associated Plasma Protein A) ELISA Kit; PAPP A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human PAPP A. No significant cross-reactivity or interference between Human PAPP A and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between Human PAPP A and all the analogues, therefore, cross reaction may still exist.
Sequence Length	1627
Samples	Serum, Plasma, Biological Fluids
Assay Type	Sandwich
Detection Range	0.781-50ng/mL
Sensitivity	Min: 0.469ng/mL; Max: 50ng/mL
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PAPPA elisa kit	Description: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PAPPA in human serum, plasma and other biological fluids Principle of the Assay: This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human PAPPA. Standards or samples are added to the appropriate micro ELISA plate wells and bound by the specific antibody. Then a biotinylated detection antibody specific for Human PAPPA and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human PAPPA, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Human PAPPA. You can calculate the concentration of Human PAPPA in the samples by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	38045915
NCBI GeneID	5069
NCBI Accession #	NP_002572.2
NCBI GenBank Nucleotide #	NM_002581.3
UniProt Accession #	Q13219; Q08371; Q68G52; Q9UDK7; B1AMF9
Molecular Weight	180,973 Da
NCBI Official Full Name	pappalysin-1 preproprotein
NCBI Official Synonym Full Names	pregnancy-associated plasma protein A, pappalysin 1
NCBI Official Symbol	PAPPA
NCBI Official Synonym Symbols	PAPA; DIPLA1; PAPP-A; PAPP1; ASBABP2; IGFBP-4ase
NCBI Protein Information	pappalysin-1; IGF-dependent IGFBP-4 protease; aspecific BCL2 ARE-binding protein 2; differentially placenta 1 expressed protein; insulin-like growth factor-dependent IGF binding protein-4 protease; insulin-like growth factor-dependent IGF-binding protein 4 protease; pregnancy-associated plasma protein A
UniProt Protein Name	Pappalysin-1
UniProt Gene Name	PAPP1
UniProt Synonym Gene Names	IGF-dependent IGFBP-4 protease; IGFBP-4ase; PAPP-A
UniProt Entry Name	PAPP1_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.