

Mouse Pappalysin 2 ELISA Kit | PAPPA2 elisa kit

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CATALOG #
AAA16356

REACTIVITY
Mouse

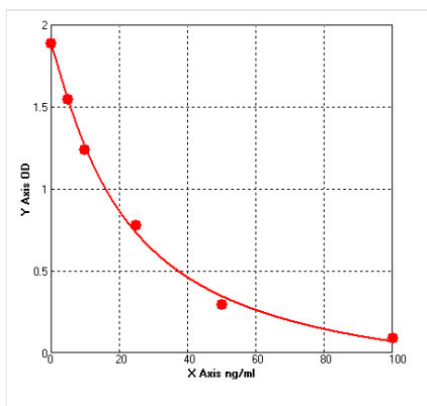
PRODUCT SYNONYMS

Pappalysin 2; Mouse Pappalysin 2 ELISA Kit; PAPPA2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of PAPPA2. No significant cross-reactivity or interference between PAPPA2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PAPPA2 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PAPPA2 elisa kit	Principle of the Assay: PAPPA2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PAPPA2 antibody and an PAPPA2-HRP conjugate. The assay sample and buffer are incubated together with PAPPA2-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 PAPPA2 concentration since PAPPA2 from samples and PAPPA2-HRP conjugate compete for the anti-PAPPA2 antibody binding site. Since the number of sites is limited, as more sites are occupied by PAPPA2 from the sample, fewer sites are left to bind PAPPA2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PAPPA2 concentration in each sample is interpolated from this standard curve. Intended Uses: This PAPPA2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse PAPPA2. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for PAPPA2 elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	116174738
NCBI GeneID	60676
NCBI Accession #	NP_064714.2
NCBI GenBank Nucleotide #	NM_020318.2
Molecular Weight	92,136 Da
NCBI Official Full Name	pappalysin-2 isoform 1
NCBI Official Synonym Full Names	pappalysin 2
NCBI Official Symbol	PAPPA2
NCBI Official Synonym Symbols	PAPPE; PLAC3; PAPP-E; PAPP-A2
NCBI Protein Information	pappalysin-2; placenta-specific 3; pregnancy-associated plasma protein E1; pregnancy-associated plasma preproprotein-A2
UniProt Protein Name	Pappalysin-2
UniProt Gene Name	PAPPA2
UniProt Synonym Gene Names	PLAC3; PAPP-A2; PAPP-E
UniProt Entry Name	PAPP2_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.