

Bovine Pappalysin 2 ELISA Kit | PAPPA2 elisa kit

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CATALOG #
AAA91756

REACTIVITY
Bovine

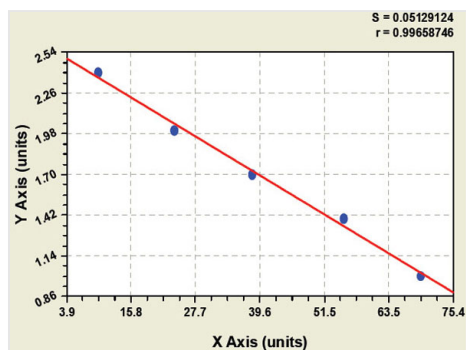
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This PAPPA2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine PAPPA2. 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 PAPPA2 elisa kit

Principle of the Assay: PAPPA2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal 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.

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.

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Online datasheet: <https://stage.aaabiotech.com/pappa2-bovine-ovine-elisa-kits/pappalysin-2/91756>