

Porcine Tissue Polypeptide Antigen ELISA Kit | TPA elisa kit

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CATALOG #
AAA91558

REACTIVITY
Porcine

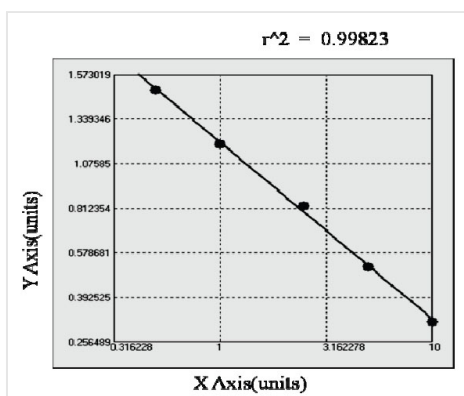
PRODUCT SYNONYMS

Tissue Polypeptide Antigen; Porcine Tissue Polypeptide Antigen ELISA Kit; TPA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TPA elisa kit

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE This TPA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine TPA. This ELISA kit for research use only!

PRINCIPLE OF THE ASSAY TPA ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TPA antibody and an TPA-HRP conjugate. The assay sample and buffer are incubated together with TPA-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 TPA concentration since TPA from samples and TPA-HRP conjugate compete for the anti-TPA antibody binding site. Since the number of sites is limited, as more sites are occupied by TPA from the sample, fewer sites are left to bind TPA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TPA concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	2285954
NCBI GeneID	5327
UniProt Accession #	Q6LBF5; P00750
Molecular Weight	2,342 Da
NCBI Official Full Name	tPA, partial
NCBI Official Synonym Full Names	plasminogen activator, tissue
NCBI Official Symbol	PLAT
NCBI Official Synonym Symbols	TPA; T-PA
NCBI Protein Information	tissue-type plasminogen activator; alteplase; reteplase; t-plasminogen activator; plasminogen activator, tissue type; tissue plasminogen activator (t-PA)
UniProt Protein Name	TPA protein
UniProt Gene Name	tPA
UniProt Entry Name	Q6LBF5_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/tpa-porcine-elisa-kits/tissue-polypeptide-antigen/91558>