

General tPA functional assay ELISA Kit | PLAT elisa kit

Active porcine tPA functional assay ELISA Kit

CATALOG #
AAA37741

REACTIVITY
General

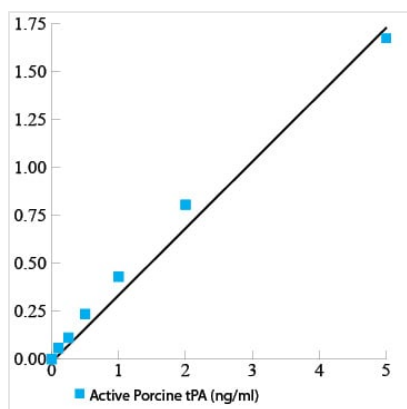
PRODUCT SYNONYMS

tPA functional assay; Active porcine tPA functional assay ELISA Kit; PLAT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Form/Format	Complete Kit
Sequence Length	562
Samples	Porcine plasma and other biological fluids
Preparation and Storage	Store at 4 degree C. Shelf Life: 12 months from manufacture, see label for expiration date

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLAT elisa kit

Intended Uses: This porcine tPA activity assay is intended for the quantitative determination of active tissue plasminogen activator in porcine plasma and other biological fluids.

Principle of the Assay: Functionally active tPA will form a covalent complex with the biotinylated human PAI-1 which is bound to the avidin on the plate. After appropriate washing steps, polyclonal anti-human tPA primary antibody binds to the captured tPA. Excess antibody is washed away and bound polyclonal antibody is then reacted with the secondary antibody conjugated to horseradish peroxidase. Following an additional washing step, TMB is used for color development at 450nm. The amount of color development is directly proportional to the concentration of active tPA in the sample.

Background: Tissue plasminogen activator is a serine protease that catalyzes the activation of plasminogen to plasmin [1]. Clinical studies have indicated that high tPA levels may increase the risk for thrombosis [2], whereas decreased levels may cause neuronal plasticity and degeneration [3].

NCBI AND UNIPROT INFORMATION

NCBI GI #	47522924
NCBI GeneID	397121
NCBI Accession #	NP_999219.1
NCBI GenBank Nucleotide #	NM_214054.1
UniProt Accession #	Q8SQ23
Molecular Weight	63,668 Da
NCBI Official Full Name	tissue-type plasminogen activator
NCBI Official Symbol	PLAT
NCBI Protein Information	tissue-type plasminogen activator; tPA; t-PA; T-plasminogen activator
UniProt Protein Name	Tissue-type plasminogen activator
UniProt Gene Name	PLAT
UniProt Synonym Gene Names	t-PA; t-plasminogen activator; tPA
UniProt Entry Name	TPA_PIG

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/plat-general-elisa-kits/tpa-functional-assay/37741>