

Bovine Tissue type Plasminogen Activator ELISA Kit | tPA elisa kit

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CATALOG #
AAA91299

REACTIVITY
Bovine

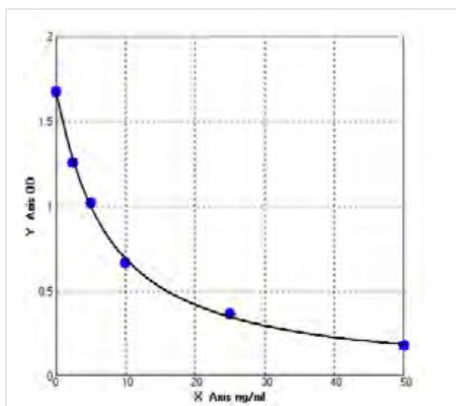
PRODUCT SYNONYMS

Tissue type Plasminogen Activator; Bovine Tissue type Plasminogen Activator ELISA Kit; tPA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of tPA. No significant cross-reactivity or interference between tPA and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between tPA 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	0.1 ng/mL
Intended Uses	This tPA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine tPA. 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 tPA elisa kit	Principle of the Assay: tPA ELISA kit applies the competitive enzyme immunoassay technique utilizing an 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. Intended Uses: This tPA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine tPA. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for tPA elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	190032
NCBI GeneID	5327
Molecular Weight	44,373 Da
NCBI Official Full Name	tissue-type plasminogen activator
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	Tissue-type plasminogen activator
UniProt Gene Name	PLAT
UniProt Synonym Gene Names	t-PA; t-plasminogen activator; tPA
UniProt Entry Name	TPA_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-bovine-ovine-elisa-kits/tissue-type-plasminogen-activator/91299>