

Rat Tissue type Plasminogen Activator ELISA Kit | tPA elisa kit

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CATALOG #
AAA16436

REACTIVITY
Rat

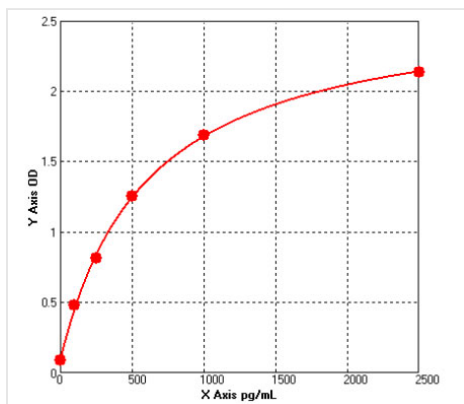
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
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 Sandwich
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Intended Uses	This tPA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat 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 quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for tPA. Standards or samples are then added to the microtiter plate wells and tPA if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of tPA present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for tPA are added to each well to "sandwich" the tPA immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain tPA and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. 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 Rat tPA. This ELISA kit for research use only, not for therapeutic or diagnostic 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-rat-elisa-kits/tissue-type-plasminogen-activator/16436>