

Canine Tissue type Plasminogen Activator ELISA Kit | tPA elisa kit

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CATALOG #
AAA16987

REACTIVITY
Canine

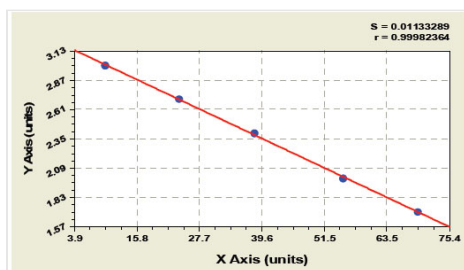
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This tPA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine 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 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.

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-canine-elisa-kits/tissue-type-plasminogen-activator/16987>