

Rat plasminogen activator, tissue ELISA Kit | PLAT elisa kit

Rat Tissue-type Plasminogen Actilyse, t-PA ELISA Kit

CATALOG #
AAA79827

REACTIVITY
Rat

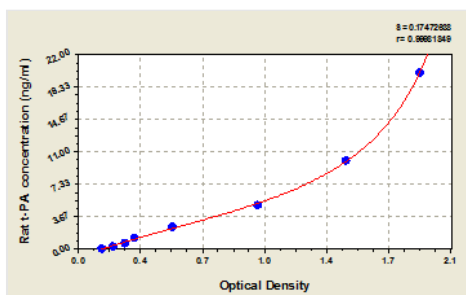
PRODUCT SYNONYMS

plasminogen activator; tissue; Rat Tissue-type Plasminogen Actilyse; t-PA ELISA Kit; DKFZp686I03148; T-PA; TPA; alteplase; tissue type; reteplase; t-plasminogen activator; tissue plasminogen activator (t-PA) ; PLAT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat PLAT. No significant cross-reactivity or interference between Rat PLAT and analogues was observed.
Sequence Length	559
Samples	Serum, plasma, tissue homogenates
Detection Range	0.312 ng/ml-20 ng/ml
Sensitivity	0.078 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Blood Coagulation
Protein Biological Process 3	Plasminogen activation
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLAT elisa kit	Introduction: Tissue plasminogen activator (abbreviated tPA or PLAT) is a protein involved in the breakdown of blood clots. Specifically, it is a serine protease (EC 3.4.21.68) found on endothelial cells, the cells that line the blood vessels. As an enzyme, it catalyzes the conversion of plasminogen to plasmin, the major enzyme responsible for clot breakdown. Because it works on the clotting system, tPA is used in clinical medicine to treat only embolic or thrombotic stroke. Use is contraindicated in hemorrhagic stroke and head trauma. tPA may be manufactured using recombinant biotechnology techniques. tPA created this way may be referred to as recombinant tissue plasminogen activator. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to t-PA. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for t-PA and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain t-PA, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of t-PA in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	42476137
NCBI GeneID	25692
NCBI Accession #	NP_037283.2
NCBI GenBank Nucleotide #	NM_013151.2
UniProt Accession #	P19637
Molecular Weight	62,903 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; PATISS
NCBI Protein Information	tissue-type plasminogen activator; t-PA; t-plasminogen activator; tissue 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_RAT

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.