

General tPA total antigen assay ELISA Kit | PLAT elisa kit

Rat tPA total antigen assay ELISA Kit

CATALOG #
AAA37739

REACTIVITY
General

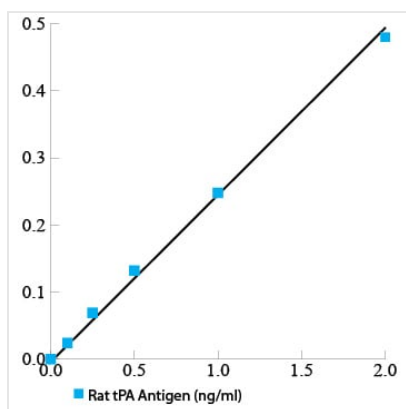
PRODUCT SYNONYMS

tPA total antigen assay; Rat tPA total antigen assay ELISA Kit; PLAT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Form/Format	Complete Kit
Sequence Length	559
Samples	Rat 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: Rat tPA total antigen assay is intended for the quantitative determination of total tissue plasminogen activator in rat plasma and other biological fluids.

Principle of the Assay: Rat tPA will bind to the capture antibody coated on the microtiter plate. Free, latent, and complexed enzyme will react with the capture antibody on the plate. A standard calibration curve is prepared using dilutions of tPA along with the samples to be measured. After appropriate washing steps, monoclonal anti-rat tPA primary antibody binds to the captured enzyme. Excess antibody is washed away and bound monoclonal antibody is then reacted with the secondary antibody conjugated to horseradish peroxidase. TMB substrate is used for color development at 450nm. The amount of color development is directly proportional to the concentration of tPA antigen in the sample.

Background: Tissue plasminogen activator (tPA) is a serine protease that converts plasminogen to the active serine protease plasmin in the blood fibrinolytic system [1,2]. It also plays an important role in the removal of incipient thrombi[3]. tPA is widely used for the thrombolytic treatment of acute myocardial infarction [3].

Product Categories/Family for PLAT elisa kit	Tissue Plasminogen Activator (tPA); Rat tPA ELISA Kits
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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.

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-total-antigen-assay/37739>