

Human tPA ELISA Kit | PLAT elisa kit

Human tPA ELISA Kit

CATALOG # AAA105645	REACTIVITY Human	APPLICATIONS ELISA
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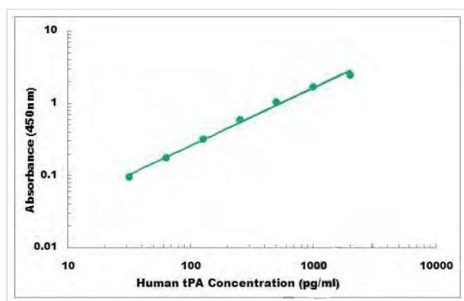
PRODUCT SYNONYMS

tPA; Human tPA ELISA Kit; Tissue-type plasminogen activator; t-PA; t-plasminogen activator; Alteplase; Reteplase; PLAT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human tPA ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human tPA proteins within the range of 31.2 pg/ml - 2000 pg/ml.
Sequence Length	562
Samples	Culture Supernatants, Serum, Plasma, Tissue Homogenates
Sensitivity	< 10 pg/ml
Applicable Applications for PLAT elisa kit	ELISA (Sandwich ELISA)
Detection Method	Colorimetric
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLAT elisa kit	Background: Plasminogen activator, tissue, also called PLAT or TPA is a serine protease. This gene encodes tissue-type plasminogen activator, a secreted serine protease which converts the proenzyme plasminogen to plasmin, a fibrinolytic enzyme. Tissue-type plasminogen activator is synthesized as a single chain which is cleaved by plasmin to a two chain disulfide linked protein. This gene was mapped to 8p11.21. This enzyme plays a role in cell migration and tissue remodeling. Increased enzymatic activity causes hyperfibrinolysis, which manifests as excessive bleeding; decreased activity leads to hypofibrinolysis which can result in thrombosis or embolism. Principle of the Assay: The Human tPA ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human tPA in Cell Culture Supernatants, Serum, Plasma, Tissue Homogenates. This assay employs an antibody specific for Human tPA coated on a 96-well plate. Standards and samples are pipetted into the wells and tPA present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human tPA antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of tPA bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505861
NCBI GeneID	5327
NCBI Accession #	NP_000921.1
NCBI GenBank Nucleotide #	NM_000930.3
UniProt Accession #	P00750; Q15103; Q503B0; Q6PJA5; Q7Z7N2; Q86YK8; Q9BU99; Q9BZW1; A8K022; B2R8E8
Molecular Weight	44,373 Da
NCBI Official Full Name	tissue-type plasminogen activator isoform 1 preproprotein
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/plat-human-elisa-kits/tpa/105645>