

Human PLAT/TPA ELISA Kit | PLAT/TPA elisa kit

Human PLAT/TPA PicoKine Fast ELISA Kit

CATALOG #
AAA125348

REACTIVITY
Human

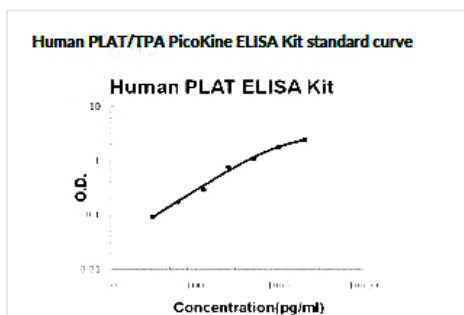
PRODUCT SYNONYMS

PLAT/TPA; Human PLAT/TPA PicoKine Fast ELISA Kit; Human PLAT; Tissue-type plasminogen activator; t-PA; t-plasminogen activator; tPA; 3.4.21.68; Alteplase; Reteplase; Tissue-type plasminogen activator chain A; Tissue-type plasminogen activator chain B; PLAT; PLAT/TPA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human PLAT
Sequence Length	562
Samples	Cell culture supernates, serum, plasma(heparin, EDTA, citrate) and urine
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	<10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision accross assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLAT/TPA elisa kit	Principle of the Assay: The Picokine™ Human PLAT Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human PLAT with a 96-well strip plate that is pre-coated with antibody specific for PLAT. The detection antibody is a biotinylated antibody specific for PLAT. The capture antibody is monoclonal antibody from mouse, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human PLAT with immunogen: Expression system for standard: CHO; Immunogen sequence: M1-P562. The kit is analytically validated with ready to use reagents. To measure Human PLAT, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Human PLAT in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human PLAT in the sample.!!Background/Introduction: 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	190032
NCBI GeneID	5327
UniProt Accession #	P00750
NCBI Official Full Name	tissue-type plasminogen activator
NCBI Official Synonym Full Names	plasminogen activator, tissue type
NCBI Official Symbol	PLAT
NCBI Official Synonym Symbols	TPA; T-PA
NCBI Protein Information	tissue-type 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_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.