

Human PLAT/TPA ELISA Kit | PLAT elisa kit

Human PLAT/TPA PicoKine ELISA Kit

CATALOG #
AAA46009

REACTIVITY
Human

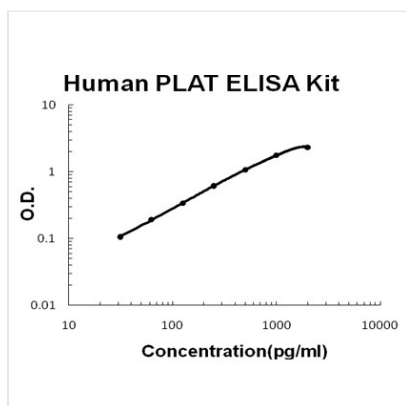
PRODUCT SYNONYMS

PLAT/TPA; Human PLAT/TPA PicoKine ELISA Kit; Tissue-type plasminogen activator; plasminogen activator; tissue; Alteplase; Plasminogen activator tissue; Plasminogen activator tissue type; PLAT; Reteplase; t-PA; T-plasminogen activator; Tissue-type plasminogen activator chain B; tPA; TPA_HUMAN; PLAT 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
Assay Type	Sandwich
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 between 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, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human PLAT/TPA PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for PLAT elisa kit	Principle of the assay: human PLAT ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for PLAT has been precoated onto 96-well plates. Standards(CHO, M1-P562) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for PLAT is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human PLAT amount of sample captured in plate. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	137119
NCBI GeneID	5327
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
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/human-elisa-kits/plat-tpa/46009>