

General tPA functional assay ELISA Kit | PLAT elisa kit

Active mouse tPA functional assay ELISA Kit

CATALOG #
AAA37768

REACTIVITY
General

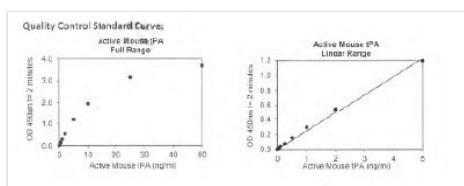
PRODUCT SYNONYMS

tPA functional assay; Active mouse tPA functional assay ELISA Kit; PLAT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	These studies are currently in progress. Please contact us for more information.
Form/Format	Complete Kit
Sequence Length	559
Sensitivity	0.011 ng/ml
Intra-assay Precision	These studies are currently in progress. Please contact us for more information.
Inter-assay Precision	These studies are currently in progress. Please contact us for more information.
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

Background: Tissue plasminogen activator (tPA) is a serine protease that converts plasminogen to plasmin in the blood fibrinolytic system [1,2,3,9]. It also plays an important role in the nervous system, including the processes of neuronal migration, neurite outgrowth, and neuronal plasticity [1,2,4,7, 10]. tPA has been suggested to have a role in several neuropathological conditions such as cerebral ischemia, seizures, and demyelinating diseases [1,3,5].

Principle of the Assay: Functionally active mouse tPA will bind to the biotinylated human PAI-1 coated on the microtiter plate. Only free active enzyme will react with the PAI-1 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-mouse 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. Following an additional washing step, TMB is used for color development at 450nm. The amount of color development is directly proportional to the concentration of active tPA in the sample.

Intended Uses: This mouse tPA activity assay is intended for the quantitative determination of active tissue plasminogen activator in mouse plasma and other biological fluids. For research use only.

Product Categories/Family for PLAT elisa kit

[Tissue Plasminogen Activator \(tPA\);](#) [Mouse tPA ELISA Kits](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	170763477
NCBI GeneID	18791
NCBI Accession #	NP_032898.2
NCBI GenBank Nucleotide #	NM_008872.2
UniProt Accession #	P11214; Q6P7U0; Q91VP2
Molecular Weight	63,097 Da
NCBI Official Full Name	tissue-type plasminogen activator preproprotein
NCBI Official Synonym Full Names	plasminogen activator, tissue
NCBI Official Symbol	Plat
NCBI Official Synonym Symbols	tPA; AU020998; AW212668; D8Ertd2e
NCBI Protein Information	tissue-type plasminogen activator; t-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_MOUSE

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-general-elisa-kits/tpa-functional-assay/37768>