

General tPA functional assay ELISA Kit | PLAT elisa kit

Active rabbit tPA functional assay ELISA Kit

CATALOG #
AAA37737

REACTIVITY
General

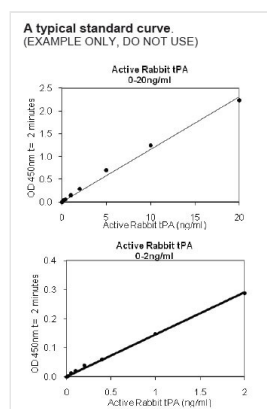
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	General
Form/Format	Complete Kit
Sequence Length	564
Samples	Rabbit 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: This rabbit tPA activity assay is intended for the quantitative determination of active tissue plasminogen activator in rabbit plasma and other biological fluids.

Principle of the Assay: Functionally active rabbit 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, polyclonal anti-rabbit tPA primary antibody binds to the captured enzyme. Excess antibody is washed away and bound polyclonal 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.

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].

NCBI AND UNIPROT INFORMATION

NCBI GI #	130492452
NCBI GeneID	100009556
NCBI Accession #	NP_001076238.1
NCBI GenBank Nucleotide #	NM_001082769.1
UniProt Accession #	Q8MKB1
Molecular Weight	62,726 Da
NCBI Official Full Name	tissue-type plasminogen activator
NCBI Official Symbol	PLAT
NCBI Protein Information	tissue-type plasminogen activator
UniProt Protein Name	Tissue-type plasminogen activator
UniProt Entry Name	Q8MKB1_RABIT

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.