

Human Tissue Polypeptide Antigen ELISA Kit | TPA elisa kit

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CATALOG #
AAA87913

REACTIVITY
Human

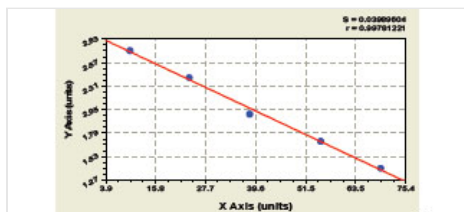
PRODUCT SYNONYMS

Tissue Polypeptide Antigen; Human Tissue Polypeptide Antigen ELISA Kit; TPA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	25-500U/L
Sensitivity	1.0u/L
Intended Uses	This TPA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human TPA. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for TPA elisa kit

Principle of the assay: TPA ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TPA antibody and an TPA-HRP conjugate. The assay sample and buffer are incubated together with TPA-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the TPA concentration since TPA from samples and TPA-HRP conjugate compete for the anti-TPA antibody binding site. Since the number of sites is limited, as more sites are occupied by TPA from the sample, fewer sites are left to bind TPA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TPA concentration in each sample is interpolated from this standard curve.

Product Categories/Family for TPA elisa kit

Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	2285954
NCBI GeneID	5327
UniProt Accession #	Q6LBF5; P00750
Molecular Weight	2,342 Da
NCBI Official Full Name	tPA, partial
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	TPA protein
UniProt Gene Name	tPA
UniProt Entry Name	Q6LBF5_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/tpa-human-elisa-kits/tissue-polypeptide-antigen/87913>