

Rat Tissue factor pathway inhibitor ELISA Kit | TFPI elisa kit

Rat Tissue factor pathway inhibitor ELISA Kit

CATALOG # AAA16521	REACTIVITY Rat
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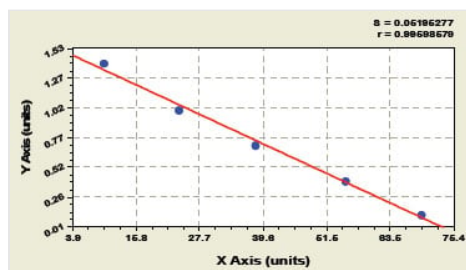
PRODUCT SYNONYMS

Tissue factor pathway inhibitor; Rat Tissue factor pathway inhibitor ELISA Kit; TFPI elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/ml
Intended Uses	This TFPI ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat TFPI. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TFPI elisa kit	Principle of the Assay: TFPI ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TFPI antibody and an TFPI-HRP conjugate. The assay sample and buffer are incubated together with TFPI-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 TFPI concentration since TFPI from samples and TFPI-HRP conjugate compete for the anti-TFPI antibody binding site. Since the number of sites is limited, as more sites are occupied by TFPI from the sample, fewer sites are left to bind TFPI-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TFPI concentration in each sample is interpolated from this standard curve.
Product Categories/Family for TFPI elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	73760409
NCBI GeneID	7035
NCBI Accession #	NP_001027452.1
NCBI GenBank Nucleotide #	NM_001032281.2
Molecular Weight	28,653 Da
NCBI Official Full Name	tissue factor pathway inhibitor isoform b
NCBI Official Synonym Full Names	tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor)
NCBI Official Symbol	TFPI
NCBI Official Synonym Symbols	EPI; TFI; LACI; TFPI1
NCBI Protein Information	tissue factor pathway inhibitor; anti-convertin; extrinsic pathway inhibitor
UniProt Protein Name	Tissue factor pathway inhibitor
UniProt Gene Name	TFPI
UniProt Synonym Gene Names	LACI; TFPI1; TFPI; EPI; LACI
UniProt Entry Name	TFPI1_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://www.aaabiotech.com/tfpi-rat-elisa-kits/tissue-factor-pathway-inhibitor/16521>