

Human TFPI ELISA Kit | TFPI elisa kit

Human TFPI PicoKine ELISA Kit

CATALOG #
AAA45569

REACTIVITY
Human

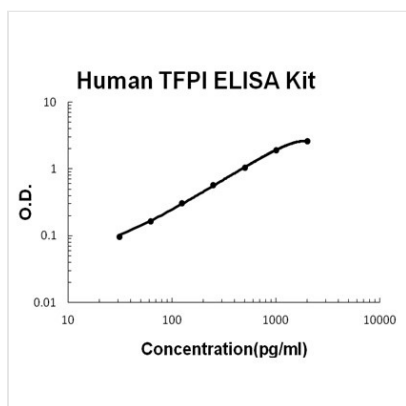
PRODUCT SYNONYMS

TFPI; Human TFPI PicoKine ELISA Kit; Tissue factor pathway inhibitor; tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor); EPI; Extrinsic pathway inhibitor; LACI; Lipoprotein-associated coagulation inhibitor; TFPI1_HUMAN; TFPI elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human TFPI
Sequence Length	304
Samples	Cell culture supernates, serum, plasma (heparin, EDTA) 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 TFPI PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for TFPI elisa kit	Principle of the assay: human TFPI ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for TFPI has been precoated onto 96-well plates. Standards(NSO, D29-K282) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for TFPI 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 TFPI amount of sample captured in plate. Background: TFPI(Tissue factor pathway inhibitor),also known as EPI, LACI or TFPI1, is a single-chain polypeptide which can reversibly inhibit Factor Xa (Xa) and Thrombin (Factor IIa). The gene for TFPI is located on chromosome 2q31-q32.1, and has nine exons which span 70 kb. TFPI consists of a highly negatively-charged amino-terminus, three tandemly-linked Kunitz domains, and a highly positively-charged carboxy-terminus.TFPI contributes significantly to the inhibition of Xa in vivo, despite being present at concentrations of only 2.5 nM.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	125932
NCBI GeneID	7035
UniProt Accession #	P10646; O95103; Q53TS4
Molecular Weight	28,653 Da
NCBI Official Full Name	Tissue factor pathway inhibitor
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.