

Human Tissue Factor Pathway Inhibitor (TFPI) CLIA Kit | TFPI clia kit

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CATALOG # AAA188909	REACTIVITY Human	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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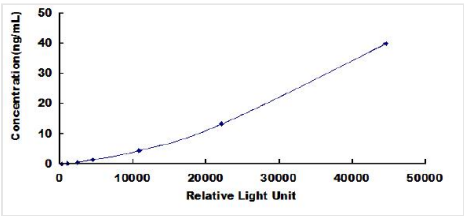
PRODUCT SYNONYMS

Tissue Factor Pathway Inhibitor (TFPI); Human Tissue Factor Pathway Inhibitor (TFPI) CLIA Kit; Tissue Factor Pathway Inhibitor; TFI; EPI; LACI; TFPI1; Lipoprotein-Associated Coagulation Inhibitor; Extrinsic pathway inhibitor; TFPI clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Tissue Factor Pathway Inhibitor (TFPI). No significant cross-reactivity or interference between Tissue Factor Pathway Inhibitor (TFPI) and analogues was observed.
Sequence Length	251
Assay Type	Double-antibody Sandwich
Samples	Plasma, urine, cell culture supernates and other biological fluids
Detection Range	0.05-40ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.03ng/mL
Applicable Applications for TFPI clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Tissue Factor Pathway Inhibitor (TFPI) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Tissue Factor Pathway Inhibitor (TFPI) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Tissue Factor Pathway Inhibitor (TFPI). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Tissue Factor Pathway Inhibitor (TFPI). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Tissue Factor Pathway Inhibitor (TFPI) level in the sample or standard.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	73760409
NCBI GeneID	7035
NCBI Accession #	NP_001027452.1
NCBI GenBank Nucleotide #	NP_001027452.1
UniProt Accession #	P10646
NCBI Official Full Name	tissue factor pathway inhibitor isoform b
NCBI Official Synonym Full Names	tissue factor pathway inhibitor
NCBI Official Symbol	TFPI
NCBI Official Synonym Symbols	EPI; TFI; LACI; TFPI1
NCBI Protein Information	tissue factor 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/human-clia-kits/tissue-factor-pathway-inhibitor-tfpi188909>