

Human Tissue Factor Pathway Inhibitor 2 (TFPI2) ELISA Kit | TFPI2 elisa kit

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CATALOG #
AAA185275

REACTIVITY
Human

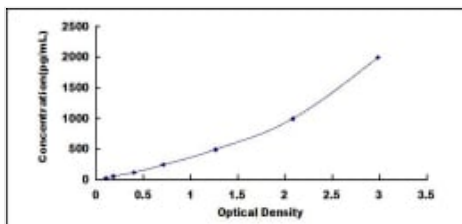
PRODUCT SYNONYMS

Tissue Factor Pathway Inhibitor 2 (TFPI2); Human Tissue Factor Pathway Inhibitor 2 (TFPI2) ELISA Kit; PP5; Placental protein 5; TFPI2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Tissue Factor Pathway Inhibitor 2 (TFPI2). No significant cross-reactivity or interference between Tissue Factor Pathway Inhibitor 2 (TFPI2) and analogues was observed.
Sequence Length	224
Assay Type	Double-antibody Sandwich
Samples	Plasma
Detection Range	31.25-2000pg/mL
Sensitivity	< 12.1pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Tissue Factor Pathway Inhibitor 2 (TFPI2) 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 2 (TFPI2) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
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)

ADDITIONAL INFORMATION

Related Product Information for TFPI2 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Tissue Factor Pathway Inhibitor 2 (TFPI2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Tissue Factor Pathway Inhibitor 2 (TFPI2). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Tissue Factor Pathway Inhibitor 2 (TFPI2), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Tissue Factor Pathway Inhibitor 2 (TFPI2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5730091
NCBI GeneID	7980
NCBI Accession #	NP_006519.1
NCBI GenBank Nucleotide #	NM_006528.3
UniProt Accession #	P48307; Q66ME8; Q8NAK6; Q9UC86
Molecular Weight	25,796 Da
NCBI Official Full Name	tissue factor pathway inhibitor 2 isoform 1
NCBI Official Synonym Full Names	tissue factor pathway inhibitor 2
NCBI Official Symbol	TFPI2
NCBI Official Synonym Symbols	PP5; REF1; TFPI-2
NCBI Protein Information	tissue factor pathway inhibitor 2
UniProt Protein Name	Tissue factor pathway inhibitor 2
UniProt Gene Name	TFPI2
UniProt Synonym Gene Names	TFPI-2; PP5

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/human-elisa-kits/tissue-factor-pathway-inhibitor-2-tfpi2/185275>