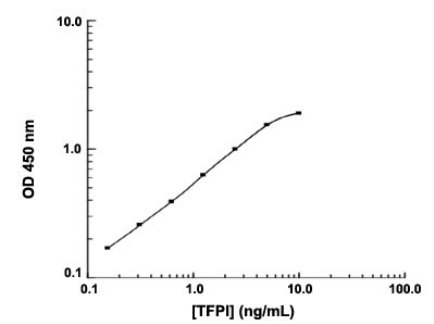
TFPI (Human) ELISA Kit

Catalog # KA0507 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	TFPI (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human TFPI.
Suitable Sample	Cell Culture Supernatant, CSF, Milk, Plasma, Serum
Sample Volume	50 uL
Label	Peroxidase-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Intra-Assay	4.6%
Inter-Assay	7.3%
Spiking Recovery	98.50%
Calibration Range	0.156 to 10 ng/mL
Reactivity	Human
Regulation Status	For research use only (RUO)

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Quality Control Testing	Standard curve The standard curve is for the purpose of illustration only and should not be used to calculate unknown s. A standard curve should be generated each time the assay is performed.
Storage Instruction	Store components of the kit at 4°C or -20°C as described in the protocol.

Applications

- Quantification

Gene Info — TFPI

Entrez GeneID	7035
Gene Name	TFPI
Gene Alias	EPI, LACI, TFI, TFPI1
Gene Description	tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor)
Omim ID	152310
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protease inhibitor that regulates the tissue factor (TF)-dependent pathway of blood coagulation. The coagulation process initiates with the formation of a factor VIIa-TF comple x, which proteolytically activates additional proteases (factors IX and X) and ultimately leads to the formation of a fibrin clot. The product of this gene inhibits the activated factor X and VIIa-TF prote ases in an autoregulatory loop. The encoded protein is glycosylated and predominantly found in th e vascular endothelium and plasma in both free forms and complexed with plasma lipoproteins. S everal alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been confirmed. [provided by RefSeq
Other Designations	OTTHUMP00000163472|anti-convertin|extrinsic pathway inhibitor|lipoprotein-associated coagula tion inhibitor|tissue factor pathway inhibitor

Publication Reference

- Tissue factor pathway inhibitor and the revised theory of coagulation.

  Broze GJ Jr.

  Annual Review of medicine 1995 Jan; 46:103.

  Application: Quant, Human, Human plasma

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- The initiation of the tissue factor dependent pathway of blood coagulation.

  Rapaport SI.

  Adv Exp Med Biol 1990 Jan; 281:97.

- Purification and characterization of the lipoprotein-associated coagulation inhibitor from human plasma.

  Novotny WF, Girard TJ, Miletich JP, Broze GJ Jr.

  The Journal of Biological Chemistry 1989 Nov; 264(31):18832.

  Application: Quant, Human, Human plasma

Pathway

- Complement and coagulation cascades

Disease

- Acute Disease
- Antiphospholipid Syndrome
- Arterial Occlusive Diseases
- Atherosclerosis
- Autistic Disorder
- Brain Ischemia
- Cadaver
- Cardiovascular Diseases
- Cerebral Infarction
- Cerebral Palsy
- Cerebrovascular Accident
- Coronary Disease
- Coronary Restenosis
- Diabetes Mellitus

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- Edema
- Femur Head Necrosis
- Genetic Predisposition to Disease
- Hemorrhage
- Inflammation
- Ischemic Attack
- Postoperative Complications
- Pregnancy Complications
- Premature Birth
- Stroke
- Thromboembolism
- Thrombophilia
- Thrombosis
- Vascular Diseases
- Venous Thrombosis
- Werner syndrome

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