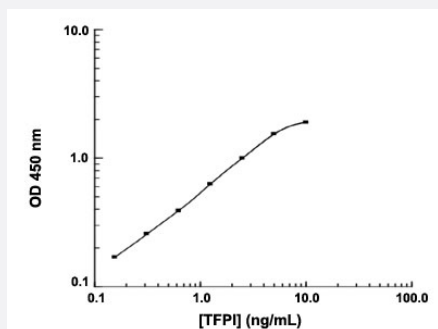


TFPI (Human) ELISA Kit

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 μ L
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)

Quality Control Testing

Standard curve

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.

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 complex, 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 proteases in an autoregulatory loop. The encoded protein is glycosylated and predominantly found in the vascular endothelium and plasma in both free forms and complexed with plasma lipoproteins. Several 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-converting|extrinsic pathway inhibitor|lipoprotein-associated coagulation 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

- [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](#)

- [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](#)