

## ARG81469 Human Tissue Factor Pathway Inhibitor ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG81469-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81469-002	Standard	2 X 10 ng/vial	4°C
ARG81469-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81469-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81469-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81469-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81469-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81469-008	25X Wash buffer	20 ml	4°C
ARG81469-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81469-010	STOP solution	10 ml (Ready to use)	4°C
ARG81469-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG81469 Human Tissue Factor Pathway Inhibitor ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Tissue Factor Pathway Inhibitor in serum, plasma (heparin, EDTA, citrate), urine and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	Tissue Factor Pathway Inhibitor
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (heparin, EDTA, citrate), urine and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.2% Inter-Assay CV: 7.0%
Alternate Names	TFI; Lipoprotein-associated coagulation inhibitor; LACI; EPI; TFPI1; Tissue factor pathway inhibitor; TFPI; Extrinsic pathway inhibitor

## Application Instructions

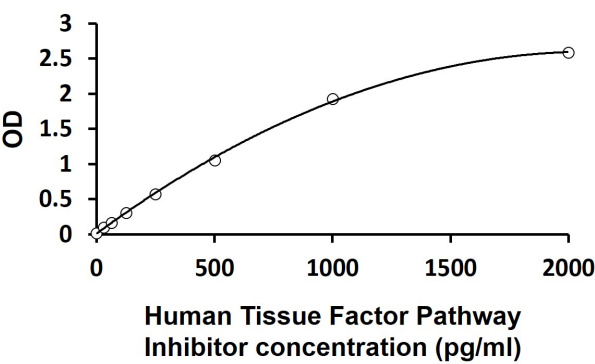
Assay Time	~ 5 hours
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## Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol	TFPI
Gene Full Name	tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor)
Background	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, Jul 2008]
Function	Inhibits factor X (X(a)) directly and, in a Xa-dependent way, inhibits VIIa/tissue factor activity, presumably by forming a quaternary Xa/LACI/VIIa/TF complex. It possesses an antithrombotic action and also the ability to associate with lipoproteins in plasma. [UniProt]
Highlight	Related products: <a href="#">Tissue Factor antibodies</a> ; <a href="#">Tissue Factor ELISA Kits</a> ; New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>
PTM	O-glycosylated. [UniProt]



ARG81469 Human Tissue Factor Pathway Inhibitor ELISA Kit  
standard curve image

ARG81469 Human Tissue Factor Pathway Inhibitor ELISA Kit results  
of a typical standard run with optical density reading at 450 nm.