

Datasheet for KOA0818**Mouse TFPI ELISA Kit****Overview**

Description:	Mouse TFPI AccuSignal ELISA Kit - KOA0818
Item No.:	KOA0818
Size:	1 Kit
Applications:	ELISA
Reactivity:	Mouse
Range:	156 pg/ml - 10,000 pg/ml

Product Details

Background:	TFPI (Tissue factor pathway inhibitor), also known as EPI, LACI or TFPI1, is a single-chain polypeptide which can reversibly inhibit Factor Xa (Xa) and Thrombin (Factor IIa). The gene for TFPI is located on chromosome 2q31-q32.1, and has nine exons which span 70 kb. TFPI consists of a highly negatively-charged amino-terminus, three tandemly-linked Kunitz domains, and a highly positively-charged carboxy-terminus. TFPI contributes significantly to the inhibition of Xa in vivo, despite being present at concentrations of only 2.5 nM.
Synonyms:	EPI, Extrinsic pathway inhibitor, LACI, Lipoprotein-associated coagulation inhibitor, TFPI, TFPI1_HUMAN, Tissue factor pathway inhibitor
Detection Kit Type:	ELISA Kit
Detection Range:	156 pg/ml - 10,000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	TFPI
Reactivity:	Mouse
Immunogen:	Expression system for standard: NSO; Immunogen sequence: L29-N306
Purity/Specificity:	Natural and recombinant mouse TFPI. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - O54819

- [NCBI - NP_035706.1](#)
- [GeneID - 21788](#)
- [KOA0818 Protocol](#)

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 10,000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml, 156pg/ml mouse TFPI standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each mouse TFPI standard solution and each sample be measured in duplicate.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

Formulation

Anticoagulant:	Heparin Sodium
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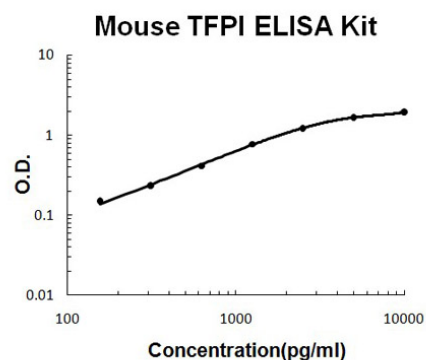
Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
Expiration:	See kit insert for complete instructions.

Images

ELISA

Mouse TFPI ELISA Kit standard curve.

**Disclaimer**

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