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TFPI ELISA Kit



Overview

Quantity:	1 kit
Target:	TFPI
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

Product Details		
Purpose:	Sandwich ELISA for Quantitative Detection of Antigen	
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum	
Analytical Method:	Quantitative	
Detection Method:	Colorimetric	
Characteristics:	Synonyms: EPI, Extrinsic pathway inhibitor, LACI, Lipoprotein-associated coagulation inhibitor,	
	TFPI, TFPI1_HUMAN, Tissue factor pathway inhibitor	
	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.	

Gene Name: TFPI

Production: Natural and recombinant mouse TFPI. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: L29-N306

Target Details

Target:	TFPI
Alternative Name:	TFPI (TFPI Products)
Gene ID:	21788
NCBI Accession:	NP_035706
UniProt:	054819

Application Details

Application Notes:

Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL 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 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL 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.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 156pg/mL-10,000pg/mL

Sample Volume:

100 μL

Plate:

Pre-coated

DT 4 °C 20 °C

Restrictions:

For Research Use only

Handling

Storage.	R1,4 C,-20 C
Storage Comment:	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.