

Sheep Tissue factor pathway inhibitor ELISA Kit | TFPI elisa kit

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CATALOG #
AAA92969

REACTIVITY
Sheep

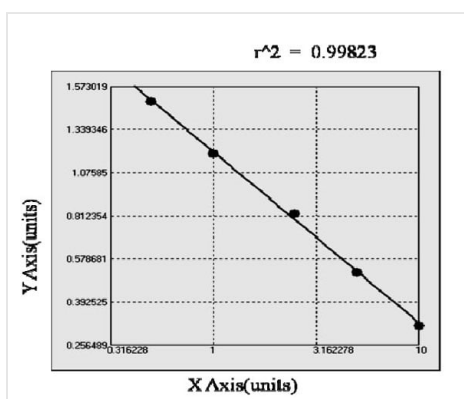
PRODUCT SYNONYMS

Tissue factor pathway inhibitor; Sheep Tissue factor pathway inhibitor ELISA Kit; TFPI elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This TFPI ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep TFPI. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TFPI elisa kit

Principle of the Assay: TFPI ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TFPI antibody and an TFPI-HRP conjugate. The assay sample and buffer are incubated together with TFPI-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the TFPI concentration since TFPI from samples and TFPI-HRP conjugate compete for the anti-TFPI antibody binding site. Since the number of sites is limited, as more sites are occupied by TFPI from the sample, fewer sites are left to bind TFPI-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TFPI concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	73760409
NCBI GeneID	7035
NCBI Accession #	NP_001027452.1
NCBI GenBank Nucleotide #	NM_001032281.2
Molecular Weight	28,653 Da
NCBI Official Full Name	tissue factor pathway inhibitor isoform b
NCBI Official Synonym Full Names	tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor)
NCBI Official Symbol	TFPI
NCBI Official Synonym Symbols	EPI; TFI; LACI; TFPI1
NCBI Protein Information	tissue factor pathway inhibitor; anti-convertin; extrinsic pathway inhibitor
UniProt Protein Name	Tissue factor pathway inhibitor
UniProt Gene Name	TFPI
UniProt Synonym Gene Names	LACI; TFPI1; TFPI; EPI; LACI
UniProt Entry Name	TFPI1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.