

Sheep Tissue Factor Pathway Inhibitor 2 ELISA Kit | TFPI2 elisa kit

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CATALOG #
AAA92214

REACTIVITY
Sheep

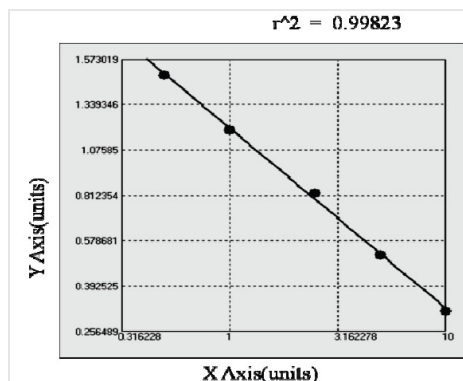
PRODUCT SYNONYMS

Tissue Factor Pathway Inhibitor 2; Sheep Tissue Factor Pathway Inhibitor 2 ELISA Kit; TFPI2 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.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TFPI2 elisa kit

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE This TFPI2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep TFPI2. This ELISA kit for research use only!

PRINCIPLE OF THE ASSAY TFPI2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TFPI2 antibody and an TFPI2-HRP conjugate. The assay sample and buffer are incubated together with TFPI2-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 TFPI2 concentration since TFPI2 from samples and TFPI2-HRP conjugate compete for the anti-TFPI2 antibody binding site. Since the number of sites is limited, as more sites are occupied by TFPI2 from the sample, fewer sites are left to bind TFPI2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TFPI2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5730091
NCBI GeneID	7980
NCBI Accession #	NP_006519.1
NCBI GenBank Nucleotide #	NM_006528.3
Molecular Weight	26,934 Da
NCBI Official Full Name	tissue factor pathway inhibitor 2 isoform 1
NCBI Official Synonym Full Names	tissue factor pathway inhibitor 2
NCBI Official Symbol	TFPI2
NCBI Official Synonym Symbols	PP5; REF1; TFPI-2
NCBI Protein Information	tissue factor pathway inhibitor 2; placental protein 5; retinal pigment epithelium cell factor 1
UniProt Protein Name	Tissue factor pathway inhibitor 2
UniProt Gene Name	TFPI2
UniProt Synonym Gene Names	TFPI-2; PP5
UniProt Entry Name	TFPI2_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.