

Mouse TFPI2 ELISA Kit | TFPI2 elisa kit

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CATALOG #
AAA258491

REACTIVITY
Mouse

PRODUCT SYNONYMS

TFPI2; Mouse TFPI2 ELISA Kit; TFPI2 ELISA Kit; Mouse; tissue factor pathway inhibitor 2; AV000670 ELISA Kit; PP5/TFPI-2 ELISA Kit; TFPI2 elisa kit

PRODUCT SPECIFICATIONS

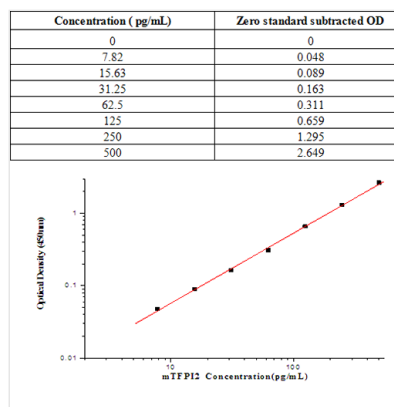
Reactivity	Mouse
Specificity	For the quantitative determination of Mouse TFPI2 concentration in serum.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Serum
Detection Range	7.82-500pg/mL
Sensitivity	2.62pg/mL
Conjugation	HRP
Interference	Recognizes both recombinant and natural Mouse TFPI2
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

IMAGES

Recombinant human TFPI2			
Recombinant mouse			
IL1A	IL1B	IL2	IL12B
TNFA(80-235)	IL6	IFNG	CCL3
VEGF164	IL18R1	IL17a	IL18
IL12A+IL12B	XCL1		

Application Data

This assay recognizes both recombinant and natural Mouse TFPI2. The factors listed below were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed.



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for TFPI2 elisa kit	This TFPI2 ELISA Kit, Mouse is an enzyme-linked immunosorbent assay for the quantitative measurement of Mouse TFPI2 protein in Serum. It contains recombinant Mouse TFPI2, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: Tissue factor pathway inhibitor-2 (TFPI2), a member of the Kunitz-type serine proteinase inhibitor family, is a structural homologue of tissue factor pathway inhibitor (TFPI). It is a 32 kDa matrix-associated glycoprotein consisting of a short amino-terminal region, three tandem Kunitz-type domains and a positively charged carboxy-terminal tail. TFPI2 inhibits plasmin-dependent activation of several metalloproteinases. TFPI2 is highly abundant in the full-term placenta and widely expressed in various adult human tissues, such as the liver, skeletal muscle, heart, kidney, and pancreas. The expression of TFPI2 in tumors is inversely related to an increasing degree of malignancy, which may suggest a role for TFPI2 in the maintenance of tumor stability and inhibition of the growth of neoplasms. TFPI2 inhibits the tissue factor/factor VIIa (TF/VIIa) complex and a wide variety of serine proteinases including plasmin, plasma kallikrein, factor XIa, trypsin, and chymotrypsin. TFPI2 is involved in regulating pericellular proteases implicated in a variety of physiologic and pathologic processes including cancer cell invasion, vascular inflammation, and atherosclerosis. TFPI2 has also been shown to induce apoptosis and inhibit angiogenesis, which may contribute significantly to tumor growth inhibition.
References	Peerschke EI, et al. (2004) Tissue factor pathway inhibitor-2 (TFPI-2) recognizes the complement and kininogen binding protein gC1qR/p33 (gC1qR): implications for vascular inflammation. <i>Thromb Haemost.</i> 92(4): 811-9. Rollin J, et al. (2005) Expression and methylation status of tissue factor pathway inhibitor-2 gene in non-small-cell lung cancer. <i>Br J Cancer.</i> 92(4): 775-83. Chand HS, et al. (2005) Structure, function and biology of tissue factor pathway inhibitor-2. <i>Thromb Haemost.</i> 94(6): 1122-30. Sierko E, et al. (2007) The role of tissue factor pathway inhibitor-2 in cancer biology. <i>Semin Thromb Hemost.</i> 33(7): 653-9.

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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/tfpi2/258491>