

Mouse TFPI ELISA Kit | TFPI elisa kit

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CATALOG #
AAA258476

REACTIVITY
Mouse

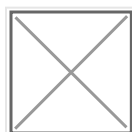
PRODUCT SYNONYMS

TFPI; Mouse TFPI ELISA Kit; TFPI ELISA Kit; Mouse; tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor); A630013F22Rik ELISA Kit; AW552122 ELISA Kit; EPI ELISA Kit; LACI ELISA Kit; TFPI elisa kit

PRODUCT SPECIFICATIONS

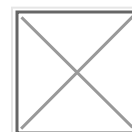
Reactivity	Mouse
Specificity	The kit has been verified by high purity Mouse TFPI recombinant protein.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Recombinant protein
Detection Range	18.8-1200pg/mL
Sensitivity	13.6pg/mL
Conjugation	HRP
Materials Provided	1. 96 well microplate coated 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



Application Data

This assay recognizes recombinant mouse TFPI. The factors listed above were prepared at 900ng/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 TFPI elisa kit	This TFPI ELISA Kit, Mouse is an enzyme-linked immunosorbent assay for the quantitative measurement of Mouse TFPI protein in Recombinant protein. It contains recombinant Mouse TFPI, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: Tissue factor pathway inhibitor (TFPI) is the natural inhibitor of TF coagulant and signaling activities. It is a Kunitz-type serine proteinase inhibitor that down-regulates tissue factor-initiated blood coagulation. With its Kunitz domains, TFPI exhibits significant homology with human inter-alpha-trypsin inhibitor and bovin basic pancreatic trypsin inhibitor. TFPI is the natural inhibitor of TF coagulant and signaling activities. The importance of TFPI in the regulation of blood coagulation is emphasized by how its activity is modulated in human disease. In a factor (F) Xa-dependent feedback system, TFPI binds directly and inhibits the TF-FVII/FVIIa complex. Normally, TFPI exists in plasma both as a full-length molecule and as variably carboxy-terminal truncated forms. TFPI also circulates in complex with plasma lipoproteins. The levels and the dual inhibitor effect of TFPI on FXa and TF-FVII/FVIIa complex offers insight into the mechanisms of various pathological conditions triggered by TF. TFPI may play an important role in modulating TF-induced thrombogenesis and it may also provide a unique therapeutic approach for prophylaxis and/or treatment of various diseases. In addition, studies have shown that TFPI exhibits antiangiogenic and antimetastatic effects in vitro and in vivo. In animal models of experimental metastasis, both circulating and tumor cell-associated TFPI are shown to significantly reduce tumor cell-induced coagulation activation and lung metastasis.
References	Lwaleed BA, et al. (2006) Tissue factor pathway inhibitor: structure, biology and involvement in disease. J Pathol. 208(3): 327-39. Amirkhosravi A, et al. (2007) The role of tissue factor pathway inhibitor in tumor growth and metastasis. Semin Thromb Hemost. 33(7): 643-52. Maroney SA, et al. (2008) Expression of tissue factor pathway inhibitor by endothelial cells and platelets. Transfus Apher Sci. 38(1): 9-14.

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/tpi/258476>