



Product Specification Sheet

**Mouse Tissue factor pathway inhibitor (TFPI) Antibodies**

<input type="checkbox"/> Cat. # AB-23005-A	Rabbit Anti-Mouse TFPI IgG (aff pure)	<b>SIZE:</b> 100 ug
<input type="checkbox"/> Cat. # AB-23005-P	Mouse TFPI Control/blocking peptide	<b>SIZE:</b> 100 ug

**Protein Function** Inhibits factor X (X(a)) directly and, in a Xa-dependent way, inhibits VIIa/tissue factor activity, presumably by forming a quaternary Xa/LACI/VIIa/TF complex. It possesses an antithrombotic action and also the ability to associate with lipoproteins in plasma.

**Subcellular Location** Secreted

**Protein name** Tissue factor pathway inhibitor, Extrinsic pathway inhibitor, Lipoprotein-associated coagulation inhibitor

**Gene name** TFPI

**Synonyms** LACI, TFPI1

**Similarity** Contains 3 BPTI/Kunitz inhibitor domains.

between species. The 17-aa peptide reacts with the isoforms alpha and beta and the 26-aa peptide only to isoform alpha. The AB-23005-P control peptides, because of its low mol. Wt (<3 kDa), is not suitable for Western. It should be used for ELISA or antibody blocking experiments (use 5-10 ug control peptide per 1 ug of aff pure IgG or 1 ul antiserum) to confirm antibody specificity.

**General References:** Broze, G J. (1988). Blood. 71 (2): 335-43. Chang J.-Y., (1998). Thromb. Haemost. 79:306-309. Chang J.-Y., (1999). Thromb. Haemost. 81:45-49. Carninci P., (2005). Science 309:1559-1563.

**Source of Antigen and Antibodies**

<b>Antigen</b>	17-aa and 26-aa peptides of Mouse Tissue factor pathway inhibitor (TFPI); (protein accession # O54819) ( <b>designated AB-23005-P or control peptides</b> ) conjugated to KLH as mixture; Epitope location; N- terminal and C-terminal
<b>Ab Host/type</b>	Rabbit, polyclonal Aff pure IgG ( <b>cat # AB-23005-A</b> ) purified over the antigen column
<b>2-ab</b>	Cat # 20320, goat anti-rabbit IgG-HRP (AP, biotin, FITC conjugates also available)
<b>-ve control</b>	# 20009-1, Rabbit (non-immune) IgG, purified, suitable for ELISA, Western, IHC as -ve control

*\*This product is for In vitro research use only.*

**Related materials available from ADI**

**Antibodies:**

ReadyBlot **Kidney Protein Explorer**-Study distribution of protein in various regions of the Mouse/rat kidney using the pre-made protein blots; Western blot recycling kit-Use the same blot for WNK1-4.

AB-23005-A-P

130821VP

**Form & Storage of Antibodies/Peptide Control**

**Affinity pure IgG**

100 ug/100ul  solution  lyophilized powder

Supplied in **Buffer:** PBS+0.1% BSA

**Reconstitute powder** in PBS at 1mg/ml

**Control/blocking peptide**

100 ug/100 ul  solution  lyophilized powder

Supplied in Buffer: PBS pH 7.5,

**Reconstitute powder in PBS at 1 mg/ml.**

**Storage**

**Short-term:** unopened, undiluted liquid vials at 20°C and powder at 4°C or -20°C.

**Long-term:** at -20°C or below in suitable aliquots after reconstitution. Do not freeze and thaw and store working, diluted solutions.

**Stability:** 6-12 months at -20°C or below.

**Shipping:** 4°C for solutions and room temp for powder

**Recommended Usage**

**Western Blotting** (1:1K-5K for neat serum and 1-10 ug/ml for affinity pure using Chemiluminescence technique).

**ELISA** (1:10K-1:100K; using 50-100 ng of control peptide/well).

**Histochemistry & Immunofluorescence:** not tested. We recommend the use of affinity pure antibody at 2-20 ug/ml.

**Specificity & Cross-reactivity**

Mouse AB-23005-P peptide sequences are found to be 93% conserved in rat. Antibody reactivity has not been established