



# Anti-TFPI monoclonal antibody, clone 485829 (DCABY-4103)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	Human TFPI is a physiological inhibitor of the extrinsic pathway of coagulation and functions in anticoagulation and anti-inflammation. It is a secreted protein with an N-terminal acidic region, three Kunitz (K) domains separated by two linker regions, and a C-terminal basic region. The first K domain inhibits coagulation factor VIIa complexed to tissue factor (TF). The second K domain inhibits factor Xa. The third K domain binds to heparin. The C-terminal basic region may have several functions. Human TFPI-2 is structurally similar to TFPI and is downregulated in several cancers.
<b>Specificity</b>	Detectshuman TFPI in ELISAs. In sandwich immunoassays, no cross-reactivity or interference with recombinant human (rh)Coagulation factor II, VII, XI, XIV, rhTFPI-2, recombinant mouse (rm)TFPI, rmTFPI-2, or rhVitronectin is observed.
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant human TFPI. Asp29-Lys282 Accession Number P10646
<b>Isotype</b>	IgG2B
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	485829
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA Capture (Matched Pair)
<b>Format</b>	Liquid

<b>Size</b>	500 µg
<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
<b>Preservative</b>	None
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month from date of receipt, 2 to 8 °C, reconstituted. 6 months from date of receipt, -20 to -70 °C, reconstituted.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">TFPI tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor) [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	TFPI
<b>Synonyms</b>	TFPI; tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor); EPI; TFI; LACI; TFPI1; tissue factor pathway inhibitor; anti-convertin; extrinsic pathway inhibitor;
<b>Entrez Gene ID</b>	<a href="#">7035</a>
<b>Protein Refseq</b>	<a href="#">NP_001027452</a>
<b>UniProt ID</b>	P10646
<b>Chromosome Location</b>	2q32
<b>Pathway</b>	Complement and Coagulation Cascades; Complement and coagulation cascades; Extrinsic Pathway; Formation of Fibrin Clot (Clotting Cascade); Hemostasis; Integrated Breast Cancer Pathway; Syndecan-4-mediated signaling events;
<b>Function</b>	endopeptidase inhibitor activity; serine-type endopeptidase inhibitor activity;