

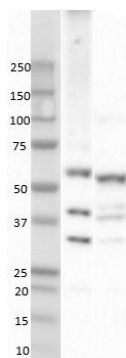
CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	TFPI, Human, clone CLB/TFPI C-terminus		
Catalog number	HM2350-20UG		
Lot number	-	Expiry date	-
Volume	200 µl	Amount	20 µg
Formulation	0.2 µm filtered in 20 mM TRIS, 150 mM NaCL, pH 8.0.	Concentration	100 µg/ml
Host Species	Mouse IgG1	Conjugate	None
Endotoxin	N.A.	Purification	Protein A
Storage	4°C		

Application notes

	IHC-F	IHC-P	IF	FC	FS	IA	IP	W
Reference #								
Yes				•		•		•
No								
N.D.	•	•	•		•		•	

N.D.= Not Determined; IHC = Immuno histochemistry; F = Frozen sections; P = Paraffin sections; IF = Immuno Fluorescence; FC = Flow Cytometry; FS = Functional Studies; IA = Immuno Assays; IP = Immuno Precipitation; W = Western blot



W: Western blot of TFPI with antibody HM2350. Picture shows the marker and a non-reduced (10 µg) and reduced sample (10 µg) of HEK293 cells.

Dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:50.

- FC: Antibody CLB/TFPI C-Terminus stains the extracellular domain of TFPI.
- W: A reduced and non-reduced sample treatment was used. HEK293 lysate was used and bands of 55, 43 and 34kDa were found.

General Information

Description	TFPI is a serine protease inhibitor that regulates the tissue factor (TF)-dependent pathway of blood coagulation. The coagulation process initiates with the formation of a factor VIIa-TF complex, which proteolytically activates additional proteases (factors IX and X) and ultimately leads to the formation of a fibrin clot. TFPI is known to interact and inhibit the activated factor X and VIIa-TF proteases in an autoregulatory loop. TFPI is a dual inhibitor, binding to the TF/FVIIa complex to prevent it from acting on its FIX and FX substrates, and by directly inhibiting FXa. Inadequate down-regulation of FXa function by TFPI deficiency leads to thrombosis. Besides coagulation, TFPI may play additional roles in innate immunity, microbial defense, inflammation, angiogenesis, lipid metabolism, and cellular signaling, proliferation, migration, and apoptosis.
Immunogen	Recombinant TFPI
Aliases	Tissue factor pathway inhibitor, Extrinsic pathway inhibitor
Storage&stability	Product should be stored at 4°C. Under recommended storage conditions, product is stable for at least one year.

Precautions

For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result from the use or derivation of this product.

We hereby certify that the above-stated information is correct and that this product has been successfully tested by the Quality Control Department. This product was released for sale according to the existing specifications. This document has been produced electronically and is valid without a signature.

Approved by Manager of QC
Brenda Teunissen

Date
28/12/2020

Do you have any questions or comments regarding this product? Please contact us via support@hycultbiotech.com.