

For Research Use Only

TFPI Recombinant antibody, PBS Only

Catalog Number: 83838-5-PBS



Basic Information

Catalog Number: 83838-5-PBS	GenBank Accession Number: NM_006287.6	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 7035	CloneNo.: 240977B1
Source: Rabbit	UNIPROT ID: P10646-1	
Isotype: IgG	Full Name: tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor)	
	Calculated MW: 35 kDa	
	Observed MW: 40 kDa	

Applications

Tested Applications:
WB, IF/ICC, FC (Intra), ELISA

Species Specificity:
human

Background Information

Tissue factor pathway inhibitor (TFPI) is a critical anticoagulant protein present in endothelium and platelets. TFPI is produced as two major isoforms in humans, TFPIa and TFPIb that result from alternative splicing. The TFPIb isoform localizes to the endothelium surface where it is a potent inhibitor of tissue factor-factor VIIa complexes that initiate blood coagulation. The TFPIa isoform is present in platelets. TFPI is a Kunitz-type serine protease inhibitor that exerts anticoagulant activity by blocking early procoagulant stimuli. TFPI can enhance anti-thrombotic treatment in sepsis, inflammatory diseases, and cardiovascular diseases.

Storage

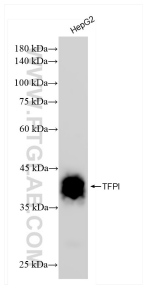
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

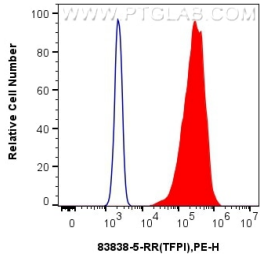
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

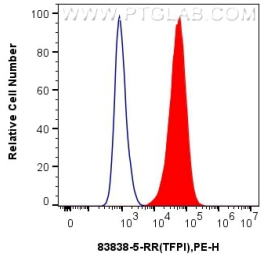
Selected Validation Data



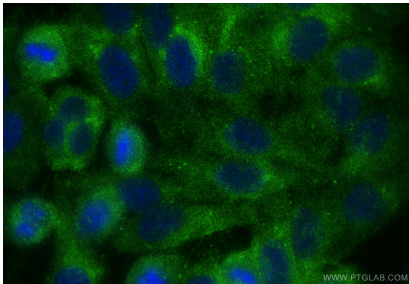
HepG2 cells were subjected to SDS PAGE followed by western blot with 83838-5-RR (TFPI antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83838-5-PBS in a different storage buffer formulation.



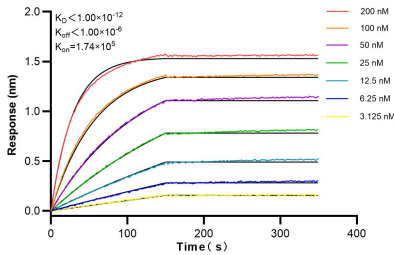
1x10⁶ HepG2 cells were intracellularly stained with 0.25 ug TFPI Recombinant antibody (83838-5-RR, Clone:240977B1) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 83838-5-PBS in a different storage buffer formulation.



1x10⁶ HUVEC cells were surface stained with 0.25 ug TFPI Recombinant antibody (83838-5-RR, Clone:240977B1) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were not fixed. This data was developed using the same antibody clone with 83838-5-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using TFPI antibody (83838-5-RR, Clone: 240977B1) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 83838-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83838-5-RR against Human TFPI were performed. The affinity constant is below 1 pM.