

CoraLite® Plus 488-conjugated TFPI

Monoclonal antibody

Catalog Number: **CL488-66842**

Basic Information

Catalog Number:

CL488-66842

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG14980

GenBank Accession Number:

BC015514

GeneID (NCBI):

7035

UNIPROT ID:

P10646

Full Name:tissue factor pathway inhibitor
(lipoprotein-associated coagulation
inhibitor)**Calculated MW:**

251aa, 29 kDa; 304aa, 35 kDa

Observed MW:

35-38 kDa

Purification Method:

Protein A purification

CloneNo.:

1B12F11

Recommended Dilutions:

IF/ICC 1:50-1:500

**Excitation/Emission maxima
wavelengths:**

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human

Positive Controls:

IF/ICC : HepG2 cells,

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:

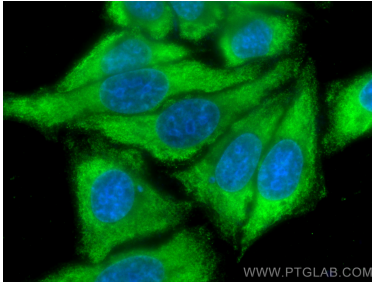
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

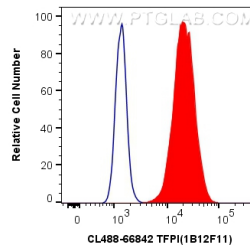
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 488 TFPI antibody (CL488-66842, Clone: 1B12F11) at dilution of 1:200.



1X10⁶ HepG2 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human TFPI (CL488-66842, Clone:1B12F11) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).