

For Research Use Only

CoraLite® Plus 488-conjugated Factor X Monoclonal antibody



Catalog Number: CL488-66753

Basic Information

Catalog Number: CL488-66753	GenBank Accession Number: BC046125	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 2159	CloneNo.: 3D3F11
Source: Mouse	UNIPROT ID: P00742	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG1	Full Name: coagulation factor X	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG11664	Calculated MW: 488 aa, 55 kDa	
	Observed MW: 50 kDa	

Applications

Tested Applications: IF-P	Positive Controls: IF : human liver tissue,
Species Specificity: Human	

Background Information

Coagulation factor X (F10) is a vitamin K-dependent glycoprotein that participates in the middle phase of the blood coagulation cascade (PMID: 1931959; 1313796). It is synthesized as a single-chain precursor in the liver where it undergoes a number of covalent processing steps before secretion into the blood as a two-chain molecule linked by a disulfide bond (PMID: 1313796). The light chain contains 2 EGF-like domains, while the heavy chain contains the catalytic domain which is structurally homologous to those of the other hemostatic serine proteases. Factor X is activated into factor Xa, by both the extrinsic and intrinsic pathway. The activated factor then converts prothrombin to thrombin in the presence of factor Va, calcium and phospholipid during blood clotting.

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

For technical support and original validation data for this product please contact:

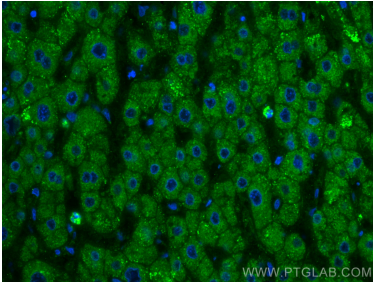
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human liver tissue using CoraLite® Plus 488 Factor X antibody (CL488-66753, Clone: 3D3F11) at dilution of 1:200.