

CoraLite[®] Plus 488-conjugated Factor XII Monoclonal antibody

Catalog Number: **CL488-66089**

Basic Information

Catalog Number: CL488-66089	GenBank Accession Number: BC012390	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 2161	CloneNo.: 2E2F11
Source: Mouse	UNIPROT ID: P00748	Recommended Dilutions: IF-P 1:50-1:500
Isotype: IgG2b	Full Name: coagulation factor XII (Hageman factor)	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG3401	Calculated MW: 615 aa, 68 kDa	
	Observed MW: 28 kDa	

Applications

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

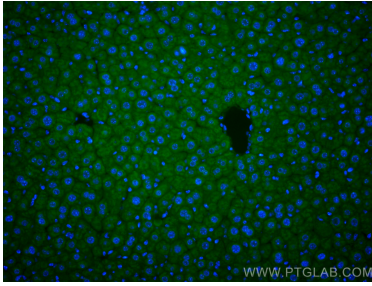
Background Information

Factor XII (F XII, Hageman factor) is a 80 kDa, single chain glycoprotein that circulates in blood as an inactive zymogen. F XII plays an important role in blood coagulation, fibrinolysis, and kinin generation. Factor XII is activated by kallikrein in alpha-factor XIIa, which is further converted by trypsin into beta-factor XIIa. Alpha-factor XIIa is composed of a 52 kDa NH₂-terminal heavy chain, called coagulation factor XIIa heavy chain, and a 28 kDa COOH-terminal light chain, called coagulation factor XIIa light chain, connected by a disulfide bond. Beta-factor XIIa is composed of 2 chains linked by a disulfide bond, an N-terminal nonapeptide, called beta-factor XIIa part 1, and coagulation factor XIIa light chain, also known in this context as beta-factor XIIa part 2.

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 (4% PFA) fixed mouse liver tissue using CoraLite® Plus 488 Factor XII antibody (CL488-66089, Clone: 2E2F11) at dilution of 1:200.