

For Research Use Only

# Factor X Monoclonal ANTIBODY



Catalog Number: 66753-1-Ig

## Basic Information

Catalog Number:

66753-1-Ig

Size:

150UL, Concentration: 1000 µg/ml by 2159

Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG11664

GenBank Accession Number:

BC046125

GeneID (NCBI):

2159

Full Name:

coagulation factor X

Calculated MW:

488 aa, 55 kDa

Observed MW:

50 kDa

Purification Method:

Protein G purification

CloneNo.:

3D3F11

Recommended Dilutions:

WB 1:5000-1:50000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human

Positive Controls:

WB: human plasma tissue,

## 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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

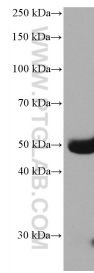
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

## Selected Validation Data



human plasma were subjected to SDS PAGE followed by western blot with 66753-1-Ig (Factor X antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.