

CoraLite®594-conjugated Factor XII Monoclonal antibody

Catalog Number: **CL594-66089**

Basic Information

Catalog Number:

CL594-66089

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG3401

GenBank Accession Number:

BC012390

GeneID (NCBI):

2161

UNIPROT ID:

P00748

Full Name:

coagulation factor XII (Hageman factor)

Calculated MW:

615 aa, 68 kDa

Observed MW:

28 kDa

Purification Method:

Protein A purification

CloneNo.:

2E2F11

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF/ICC : HepG2 cells,

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:

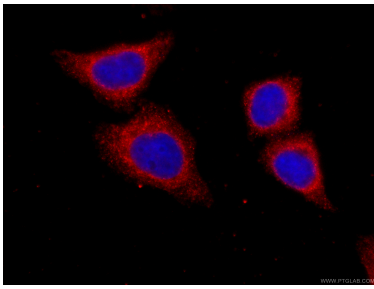
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

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 (-20°C Ethanol) fixed HepG2 cells using CL594-66089 (Factor XII antibody) at dilution of 1:100.