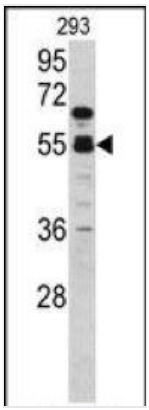
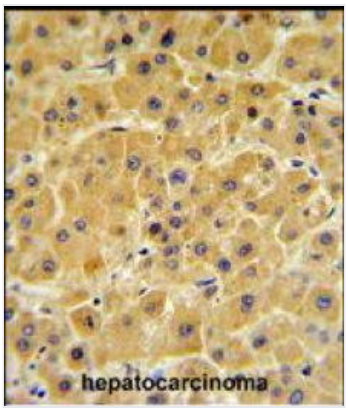
F10 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

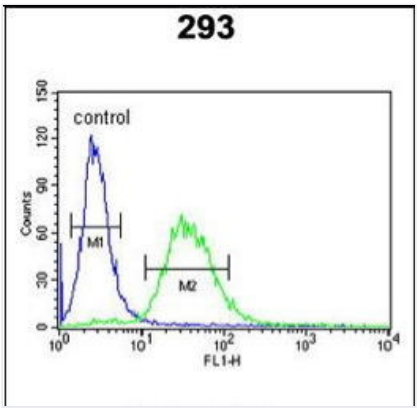
Product Name	F10, Polyclonal Antibody
Full Product Name	F10, CT (Coagulation Factor X, Stuart Factor, Stuart-Prower Factor, Factor X Light Chain, Factor X Heavy Chain, Activated Factor Xa Heavy Chain) (MaxLight 405)
Product Gene Name	anti-F10 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified by Ammonium Sulfate Precipitation.
Specificity	Recognizes human F10.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	54,732 Da
OMIM	227600
3D Structure	ModBase 3D Structure for P00742
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 351-381 in the C-terminal region of human F10, UniProt Accession #P00742.
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-F10 antibody	Antibodies; Proteins
Applications Tested/Suitable for anti-F10 antibody	Immunohistochemistry (IHC) Paraffin, Flow Cytometry (FC/FACS), Western Blot (WB), FLISA
Application Notes for anti-F10 antibody	IHC-P: 1:50-1:100 FC/FACS: 1:10-1:50 WB: 1:1000 Applications are based on unconjugated antibody.
Related Product Information for anti-F10 antibody	MBS6475507 is an antibody targeting F10. Also known as F10, CT (Coagulation Factor X, Stuart Factor, Stuart-Prower Factor, Factor X Light Chain, Factor X Heavy Chain, Activated Factor Xa Heavy Chain) (MaxLight 405). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-F10 antibody	1. Alba, R., Blood 114(5), 965-971 (2009). 2. Borensztajn, K., Thromb. Res. 124(2), 219-225 (2009). 3. Larson, P.J., Biochemistry 37(14), 5029-5038 (1998).
Other Notes	Small volumes of anti-F10 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-F10 antibody
Western blot analysis of 293 cell line lysates (35ug/lane) using F0019-40. F10 (arrow) was detected using the purified Pab.



Immunohistochemistry (IHC) of anti-F10 antibody
IHC analysis of in formalin fixed and paraffin embedded human hepatocarcinoma using F0019-40 followed by peroxidase conjugation of the secondary antibody and DAB staining.



Flow Cytometry (FC/FACS) of anti-F10 antibody
Flow cytometric analysis of 293 cells (right histogram) using F0019-40 compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for F10. It may not necessarily be applicable to this product.

NCBI GI #	4503625
NCBI GeneID	2159
NCBI Accession #	NP_000495
UniProt Primary Accession #	P00742
UniProt Secondary Accession #	Q14340
UniProt Related Accession #	P00742
GenBank Nucleotide #	NM_000504
NCBI Official Full Name	coagulation factor X preproprotein
NCBI Official Synonym Full Names	coagulation factor X
NCBI Official Symbol	F10
NCBI Official Synonym Symbols	FX; FXA
UniProt Protein Name	Coagulation factor X
UniProt Synonym Protein Names	Stuart factor; Stuart-Prower factor
Protein Family	Coagulation factor

UniProt Gene Name	F10
UniProt Entry Name	FA10_HUMAN
NCBI Protein Information	coagulation factor X; Stuart-Prower factor; factor Xa; prothrombinase
UniProt Comments for F10	F10: Factor Xa is a vitamin K-dependent glycoprotein that converts prothrombin to thrombin in the presence of factor Va, calcium and phospholipid during blood clotting. Defects in F10 are the cause of factor X deficiency (FA10D). A hemorrhagic disease with variable presentation. Affected individuals can manifest prolonged nasal and mucosal hemorrhage, menorrhagia, hematuria, and occasionally hemarthrosis. Some patients do not have clinical bleeding diathesis. Belongs to the peptidase S1 family. Protein type: Secreted, signal peptide; Lipid-binding; Secreted; Motility/polarity/chemotaxis; EC 3.4.21.6; Protease Chromosomal Location of Human Ortholog: 13q34 Cellular Component: endoplasmic reticulum lumen; Golgi lumen; extracellular region; plasma membrane Molecular Function: protein binding; serine-type endopeptidase activity; phospholipid binding; calcium ion binding Biological Process: positive regulation of protein kinase B signaling cascade; blood coagulation, extrinsic pathway; cellular protein metabolic process; blood coagulation; proteolysis; post-translational protein modification; blood coagulation, intrinsic pathway; peptidyl-glutamic acid carboxylation; positive regulation of cell migration Disease: Factor X Deficiency
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