Coagulation Factor X (F10) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Coagulation Factor X (F10), Polyclonal Antibody
Full Product Name	APC-Cy7 Linked Polyclonal Antibody to Coagulation Factor X (F10)
Product Gene Name	anti-F10 antibody
Product Synonym Names	FX; FXA; Stuart Prower Factor; Thrombokinase
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Rat
Form/Format	Liquid; 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.
Purity/Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Concentration	>=100ug/ml (lot specific)
Specificity	The antibody is a rabbit polyclonal antibody raised against F10. It has been selected for its ability to recognize F10 in immunohistochemical staining and western blotting.
Preparation and Storage	Store at 4 degree C for frequent use. Aliquot and store at -20 degree C for 12 months. Avoid repeated freeze/thaw cycles. The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Matching Pairs	Unconjugated Antibody: F10 (MBS2111998) APC-CY7 Conjugated Antibody: F10 (MBS2117071)
Matching Pairs	APC-CY7 Conjugated Antibody: F10 (MBS2117071) Immunogen: F10 (MBS2105302)
Molecular Weight	46,000
Chromosome Location	Chromosome: 16; NC_005115.3 (81288536..81307842, complement). Location: 16q12.5
3D Structure	ModBase 3D Structure for Q63207
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Cross Reactivity	Rat
Conjugation	APC-Cy7
Product Categories/Family for anti-F10 antibody	Signal Transduction; Hematology
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-F10 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP)
Related Product Information for anti-F10 antibody	MBS2117071 is an antibody targeting F10. Also known as APC-Cy7 Linked Polyclonal Antibody to Coagulation Factor X (F10). Reactive in Rat. Host: Rabbit.

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.

ADDITIONAL DETAILS

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

NCBI GI #	8393340
NCBI GeneID	29243
NCBI Accession #	NP_058839.1
UniProt Primary Accession #	Q63207
UniProt Related Accession #	Q63207
GenBank Nucleotide #	NM_017143.2
NCBI Official Full Name	coagulation factor X
NCBI Official Synonym Full Names	coagulation factor X
NCBI Official Symbol	F10
UniProt Protein Name	Coagulation factor X
UniProt Synonym Protein Names	Stuart factor
Protein Family	Coagulation factor
UniProt Gene Name	F10
UniProt Entry Name	FA10_RAT
NCBI Protein Information	coagulation factor X; stuart factor; coagulation factor 10
NCBI Summary for F10	clotting factor that competes with prothrombin in the ER membrane for binding to gamma carboxylase [RGD, Feb 2006]
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; Motility/polarity/chemotaxis; Lipid-binding; Protease; EC 3.4.21.6; Secreted, signal peptide Cellular Component: intracellular membrane-bound organelle; membrane; extracellular region Molecular Function: serine-type endopeptidase activity; phospholipid binding; calcium ion binding Biological Process: positive regulation of protein kinase B signaling cascade; blood coagulation; proteolysis
Research Articles on F10	**1.** Report differential effects of TAK-442, a novel orally active direct factor Xa inhibitor, and ximelagatran, a thrombin inhibitor, on factor V-mediated feedback on coagulation cascade and bleeding.
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