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F8 Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO1228a

Product Information

Application	WB, E
Primary Accession	P00451
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	5E9B2
Isotype	IgG1
Calculated MW	267009
Description	F8: coagulation factor VIII, procoagulant component. This gene encodes coagulation factor VIII, which participates in the intrinsic pathway of blood coagulation; factor VIII is a cofactor for factor IXa which, in the presence of Ca+2 and phospholipids, converts factor X to the activated form Xa. This gene produces two alternatively spliced transcripts. Transcript variant 1 encodes a large glycoprotein, isoform a, which circulates in plasma and associates with von Willebrand factor in a noncovalent complex. This protein undergoes multiple cleavage events. Transcript variant 2 encodes a putative small protein, isoform b, which consists primarily of the phospholipid binding domain of factor VIIIc. This binding domain is essential for coagulant activity. Defects in this gene results in hemophilia A, a common recessive X-linked coagulation disorder.
Immunogen	Purified recombinant fragment of F8 expressed in E. Coli.
Formulation	Ascitic fluid containing 0.03% sodium azide.

Additional Information

Gene ID	2157
Other Names	Coagulation factor VIII, Antihemophilic factor, AHF, Procoagulant component, Factor VIIIa heavy chain, 200 kDa isoform, Factor VIIIa heavy chain, 92 kDa isoform, Factor VIII B chain, Factor VIIIa light chain, F8, F8C
Dilution	WB~~1/500 - 1/2000 E~~N/A
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	F8 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	F8
Synonyms	F8C
Function	Factor VIII, along with calcium and phospholipid, acts as a cofactor for F9/factor IXa when it converts F10/factor X to the activated form, factor Xa.
Cellular Location	Secreted, extracellular space.

References

1. Thromb Haemost. 2007 Nov;98(5):1031-9. 2. Blood. 2008 Apr 1;111(7):3468-78.

Images

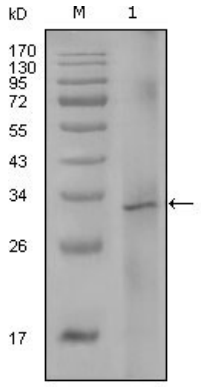


Figure 1: Western blot analysis using F8 mouse mAb against truncated Trx-F8 recombinant protein (1).

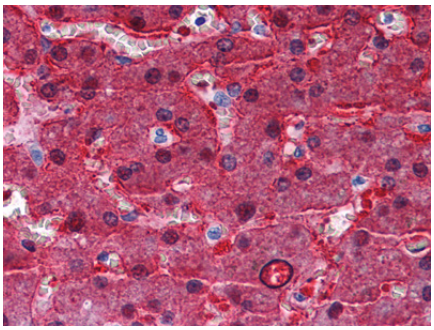


Figure 2: Immunohistochemical analysis of paraffin-embedded human Liver tissues using BHMT mouse mAb

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.