

**F8 Antibody**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO1228a****Specification**

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**F8 Antibody - Product Information**

Application	<b>WB, E</b>
Primary Accession	<a href="#">P00451</a>
Reactivity	<b>Human</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>IgG1</b>

**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<sup>2+</sup> 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.

**F8 Antibody - 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.

## F8 Antibody - 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.

## F8 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## F8 Antibody - Images

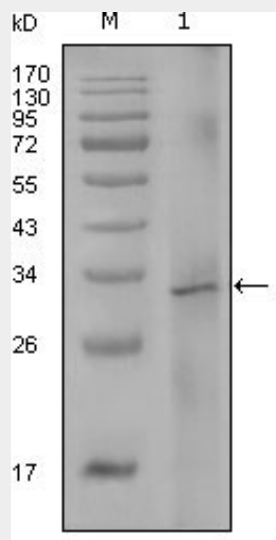


Figure 1: Western blot analysis using F8 mouse mAb against truncated Trx-F8 recombinant protein (1).

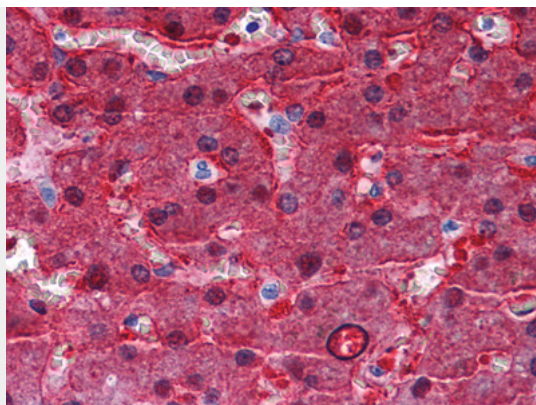


Figure 2: Immunohistochemical analysis of paraffin-embedded human Liver tissues using BHMT mouse mAb

#### **F8 Antibody - References**

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