

## Mouse Monoclonal Antibody to F8

<b>Catalogue Number</b>	sAP-0228
<b>Target Molecule</b>	<b>Name: F8</b> <b>Aliases:</b> AHF; F8B; F8C; HEMA; FVIII <b>MW: N/A</b> <b>Entrez Gene ID: 2157</b>
<b>Description</b>	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.
<b>Immunogen</b>	Purified recombinant fragment of F8 expressed in E. Coli.
<b>Recitative Species</b>	Human
<b>Clone</b>	MM5E9B2;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. Thromb Haemost. 2007 Nov;98(5):1031-9. ; 2. Blood. 2008 Apr 1;111(7):3468-78.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**