

F9 monoclonal antibody, clone F9-1

Catalog # MAB6381 Size 500 ug

Specification

Product Description	Mouse monoclonal antibody raised against F9.
Immunogen	Human F9.
Host	Mouse
Reactivity	Human
Form	Lyophilized
Isotype	IgG1, kappa
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 10 mM PBS, pH 7.2
Storage Instruction	Store at -20°C. Aliquot after reconstitution to avoid repeated freezing and thawing.

Applications

- Enzyme-linked Immunoabsorbent Assay

Gene Info — F9

Entrez GeneID	2158
Gene Name	F9
Gene Alias	FIX, HEMB, MGC129641, MGC129642, PTC
Gene Description	coagulation factor IX

Omim ID [306900](#)

Gene Ontology [Hyperlink](#)

Gene Summary

This gene encodes vitamin K-dependent coagulation factor IX that circulates in the blood as an inactive zymogen. This factor is converted to an active form by factor XIa, which excises the activation peptide and thus generates a heavy chain and a light chain held together by one or more disulfide bonds. The role of this activated factor IX in the blood coagulation cascade is to activate factor X to its active form through interactions with Ca^{+2} ions, membrane phospholipids, and factor VIII. Alterations of this gene, including point mutations, insertions and deletions, cause factor IX deficiency, which is a recessive X-linked disorder, also called hemophilia B or Christmas disease. [provided by RefSeq]

Other Designations

Christmas factor|OTTHUMP00000024154|coagulant factor IX|factor 9|factor IX|plasma thromboplastin component

Pathway

- [Complement and coagulation cascades](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Hemophilia A](#)
- [Hemophilia B](#)
- [Liver Cirrhosis](#)
- [Venous Thrombosis](#)