

F9 (Human) ELISA Kit

Catalog # KA0472

Size 1 Kit

Specification

Product Description	F9 (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human F9.
Suitable Sample	Cell Culture Samples, CSF, Plasma, Serum
Sample Volume	50 μ L
Label	Peroxidase-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	1.563 to 100 ng/mL
Reactivity	Human
Regulation Status	For research use only (RUO)
Storage Instruction	Store components of the kit at 4°C or -20°C as described in the protocol.

Applications

- Quantification

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

Publication Reference

- [Coagulation factors with improved properties for hemophilia gene therapy.](#)

Pipe SW.

Seminars in Thrombosis and Hemostasis 2004 Apr; 30(2):227.

- [Elevated clotting factor levels and venous thrombosis.](#)

Bertina RM.

Pathophysiology of Haemostasis and Thrombosis 2013 Sep; 33(5-6):395.

- [Alternatively spliced human tissue factor: a circulating, soluble, thrombogenic protein.](#)

Bogdanov VY, Balasubramanian V, Hathcock J, Vele O, Lieb M, Nemerson Y.

Nature Medicine 2003 Apr; 9(4):458.

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](#)