Factor IX Polyclonal Antibody Cy5.5 Conjugated

Catalog No: #C08005Cy5.5

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Description

Product Name	Factor IX Polyclonal Antibody Cy5.5 Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide derived from human Coagulation factor IXa heavy chain
Conjugates	Cy5.5
Target Name	Factor IX
Other Names	Christmas Disease; Christmas factor; Coagulant factor IX; Coagulation factor 9; Coagulation factor IX plasma thromboplastic component; Coagulation factor IX; Coagulation factor IXa heavy chain; F9; FA9_HUMAN; Factor 9; Factor IX Deficiency; Factor9; FactorIX; FIX; GLA domain; Haemophilia B; MGC12964
Accession No.	NCBI Gene ID:2158
Uniprot	P00740
GeneID	2158;
Excitation Emission	675nm 694nm
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

IF=1:50-200

Background

Hemostasis following tissue injury involves the deployment of essential plasma procoagulants (prothrombin, and factors X, IX, V, and VIII), which are involved in a blood coagulation cascade that leads to the formation of insoluble fibrin clots and the promotion of platelet aggregation (1-3). Coagulation factor IX (plasma thromboplastic component, F9, F.IX, HEMB) is a vitamin K-dependent, single chain serine protease that is synthesized in the liver and circulates as an inactive precursor (3,4). Factor XIa mediated proteolytic cleavage of factor IX generates factor IXa, an active serine protease composed of a 145 amino acid light chain and a 236 amino acid catalytic heavy chain, linked through disulfide bonds (5). Genetic alterations at the Factor IX locus such as point mutations, insertions and deletions, can lead to hemophilia B, also known as Christmas disease (6).

Note: This product is for in vitro research use only