

Anti-Human Factor IX

Monoclonal 0.50 mg

Ref#: MAB-HF9
Lot#: xxx
Exp. Date: xxx-xx



Store at -20°C

For Research Use Only
Not for Use in Diagnostic Procedures
For *in vitro* use only

Immunogen:	Human Factor IX (from human plasma)
Format:	Monoclonal antibody purified by protein G affinity chromatography from cell supernatant. Lyophilized in 10 mM sodium phosphate, 150 mM NaCl, 0.01 % sodium azide, pH 7.4
Clone ID#:	124
Storage:	Store unopened vial at -20°C until its expiration date. Reconstitute with aqua dest to the original volume (0.50 mL) and freeze aliquots at -20°C or below. Avoid freeze/thaw cycles. Expires 2 years after reconstitution.
Total Protein:	0.50 mg
Applications:	For Research Use Only. Not for Use in Diagnostic Procedures. For <i>in vitro</i> use only
Volume:	1 vial containing 0.50 mL monoclonal anti-human FIX
Concentration:	1 mg/mL
Specificity:	Binds human factor IX in solid phase ELISA / Blots human FIX light chain

Coagulation Factor IX (FIX), also known as Christmas Factor, is a 55 kDa vitamin K-dependent glycoprotein synthesized in the liver and composed of a single polypeptide chain. Factor IX is present in plasma as a zymogen and, when activated to FIXa by FXIa in the presence of calcium, thrombin and phospholipids, it forms an active complex with thrombin-activated FVIII:C, which is then able to convert FX into FXa. Factor IX may also be activated by the Factor VII-Tissue Factor complex. The normal FIX concentration in human plasma is about 4-5 µg/mL.