

**Anti Factor IX (human, Christmas factor)  
Mouse Monoclonal Antibody**Subclass: IgG<sub>1</sub>/kPRODUCT NO. **HYB 133-01**

PRESENTATION Preparation: Protein-A/G purified  
Content: 1 ml, 1 mg/mL  
Solvent: 0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl and 15mM sodium azide  
Storage: In the dark at 4-8°C

ANTIGEN Coagulation factor IX is a single chain polypeptide with a molecular mass of 57 kDa. Normal concentrations of factor IX in human plasma is app. 3 µg/ml (1). Factor IX deficiency and lack of coagulation activity is seen in patients suffering from the innate X-chromosome linked disorder, haemophilia B.

IMMUNOGEN Factor IX isolated from human plasma

SPECIFICITY HYB 133-01 has specificity for native human factor IX

EPI TOPE SPECIFICITY Epitope specificity differs from that of HYB 133-09 as determined by inhibition ELISA.

REACTIVITY HYB 133-01 reacts strongly with native factor IX. Strong reaction is seen in ELISA with native factor IX directly coated onto the microtiter well, and also when tested in sandwich ELISA in combination with a polyclonal antibody against factor IX. In Western blotting after SDS-PAGE, HYB 133-01 reacts with factor IX in non-reduced form only.

CULTURE MEDIUM RPMI 1640 with 10% fetal calf serum

FUSION PARTNER X63-Ag8.653.

IMMUNIZATION Female CF1 x BALB/c mice immunized i.p. with immunogen adsorbed onto Al(OH)<sub>3</sub>

APPLICATION

Method	Usability	Dilution guideline	References
ELISA	Yes	1:6000	
Immunoblotting	Yes		
Immunohistochemistry	Not determined		

The dilution guideline for ELISA is based on sandwich ELISA in combination with a polyclonal antibody against the antigen. Users should determine the optimal dilutions for their own purpose.

REFERENCES 1. Scott T & Eagleson M (1988) Concise Encyclopedia Biochemistry: Walter de Gruyter, New York.

**CONDITIONS**

All products are supplied on the understanding that they are for in vitro use only. The information and product are offered without guarantee as the ultimate conditions of use are beyond our control. The animals from which this product was derived have not been exposed to or inoculated with any livestock or poultry disease agents exotic to the United States or Western Europe, and did not originate from facilities where work with exotic disease agents affecting livestock or avian species is carried out.