

**Anti-Factor IX (human, Christmas factor)
Mouse monoclonal antibody**

Subclass: IgG₁/k

PRODUCT NO.

HYB 133-09

Clone: 13B9

PRESENTATION

Preparation: Protein-A/G purified

Content: Available in 200 µL and 1 mL volumes, 1 mg/mL

Solvent: 0.01 M phosphate buffer, pH 7.4, containing 0.5 M NaCl and 15 mM 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 adsorbed onto aluminum hydroxide gel

SPECIFICITY

HYB 133-09 has specificity for native human factor IX

EPI TOPE SPECIFICITY

Epitope specificity differs from that of HYB 133-01 as determined by inhibition ELISA.

REACTIVITY

HYB 133-09 reacts strongly with native factor IX. Strong reaction is seen in ELISA with native factor IX directly coated onto the microtiter plate. In sandwich ELISA it can be used in combination with a polyclonal antibody against factor IX. In Western blotting after SDS-PAGE, HYB 133-09 reacts with factor IX in reduced as well as in non-reduced form.

CULTURE MEDIUM

RPMI 1640 with 10% fetal calf serum

FUSION PARTNER

X63-Ag8.653

IMMUNIZATION

Female CF1 x BALB/c mice immunized by intraperitoneal injection

APPLICATION

Method	Usability	Dilution guideline	References
ELISA	Yes	1/4000	
Immunoblotting	Yes		
Immunohistochemistry	Not determined		

The dilution guideline for ELISA is based on use as detection antibody for antigen coated at 0.1-1 µg/ml. Users should determine the optimal dilutions for their own purposes.

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.