

PRODUCT SPECIFICATION

Anti-Complement factor B (human)

Mouse monoclonal antibody, biotinylated HYB 008-06 B

Subclass: IgG1/k

PRODUCT NO.

PRESENTATION

Preparation: Biotinylated
 Content: 100 µl, 1 mg/mL
 Solvent: 0.01 M phosphate buffer, pH 7.4, with 0.14 M NaCl and 15 mM sodium azide
 Storage: In the dark at 4-8°C

ANTIGEN

Factor B is a component of the alternative pathway of complement activation. The protein consists of a single polypeptide chain of molecular mass 93 kDa, and has a concentration in plasma of approximately 200 µg/mL. Factor B is cleaved by factor D into the Ba component (30 kDa) and the Bb (63 kDa). Together with C3b, Bb forms the alternative pathway C3 convertase C3bBb (1).

IMMUNOGEN

Complement factor B purified from human plasma and adsorbed to aluminum hydroxide gel

SPECIFICITY

HYB 008-06 is specific for the Ba fragment of human factor B

EPITOPE SPECIFICITY

Differs from that of HYB 008-02, HYB 008-04 and HAV 005-02.

REACTIVITY

HYB 008-06 reacts strongly with human factor B. Strong reaction is seen when coated directly onto the microtiter well and also when used as detection antibody in sandwich ELISA with a polyclonal capture antibody against factor B (e.g. Dako A0343). In Western blotting after SDS-PAGE, HYB 008-06 reacts with the Ba fragment of factor B in its non-reduced form only.

CULTURE MEDIUM

RPMI 1640 with 2-10% 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	1/2000	
Immunoblotting			
Immunohistochemistry			

The dilution guideline for ELISA is based on use as detection antibody in sandwich ELISA with a polyclonal capture antibody. Users should determine the optimal dilution for their own purpose.

REFERENCES

1. Kolb WP, Morrow PR, Tamerius JD (1989) Ba and Bb fragments of factor B activation: fragment production, biological activities, neopeptide expression and quantitation in clinical samples. *Complement Inflamm* 6:175-204.

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.

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11/09/2008

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