

**Anti Complement factor B (human)
Mouse Monoclonal Antibody**Subclass: IgG₁/κPRODUCT NO. **HYB 008-06**

PRESENTATION Preparation: Protein-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 Factor B is a component of the alternative complement pathway. The protein is a single chain polypeptide with a molecular mass of 93 kDa. Factor B is cleaved by factor D into the Ba component (30 kDa) and the Bb (63 kDa). Bb together with C3b forms the alternative pathway C3 convertase C3bBb. Plasma concentration is approximately 200 µg/ml (1).

IMMUNOGEN Complement factor B isolated from human plasma

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

EPI TOPE SPECIFICITY Epitope specificity differs from that of HYB 008-02, HYB 008-04 and HAV 005-02.

REACTIVITY HYB 008-06 reacts strongly with factor B. Strong reaction is seen in ELISA with factor B coated directly onto the microtiter well, also when tested in sandwich ELISA in combination with a polyclonal antibody against factor B (eg. DAKO A 343). In Western blotting after SDS-PAGE, HYB 008-06 reacts with the Ba fragment of factor B in 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 i.p. with immunogen adsorbed onto Al(OH)₃

APPLICATION

Method	Usability	Dilution guideline	References
ELISA	Yes	1:1600	
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. 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.