

**Anti Complement factor B (human)
Mouse Monoclonal Antibody**Subclass: IgG₁/κ

PRODUCT NO.	HYB 008-04																
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 008-04 is specific for the Bb fragment of human factor B. Antibody binding do not abolish the formation of C3bBb complexes.																
EPITOPE SPECIFICITY	Epitope specificity differs from that of HYB 008-06. Epitope specificity differs from that of HYB 008-02 but slightly overlap as determined by inhibition ELISA.																
REACTIVITY	HYB 008-04 reacts strongly with factor B. Strong reaction is seen in ELISA with factor B coated directly onto the microtiter plate. In Western blotting after SDS-PAGE, HYB 008-04 reacts with the Bb fragment of factor B in nonreduced form only.																
CULTURE MEDIUM	Dulbecco's modified Eagle's medium 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) ₃																
APPLICATION	<table border="1"> <thead> <tr> <th>Method</th> <th>Usability</th> <th>Dilution guideline</th> <th>References</th> </tr> </thead> <tbody> <tr> <td>ELISA</td> <td>Yes</td> <td>1:200</td> <td></td> </tr> <tr> <td>Immunoblotting</td> <td>Yes</td> <td></td> <td></td> </tr> <tr> <td>Immunohistochemistry</td> <td>Not determined</td> <td></td> <td></td> </tr> </tbody> </table> <p>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.</p>	Method	Usability	Dilution guideline	References	ELISA	Yes	1:200		Immunoblotting	Yes			Immunohistochemistry	Not determined		
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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.