



**Anti Complement factor B (chicken)
Mouse Monoclonal Antibody**

Subclass: IgG₁/κ

PRODUCT NO.	HYB 022-03
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	Complement factor B plays an important role in the alternative complement activation pathway by complexing with C3b to create the active C3 convertase. The alternative activation pathway was the first to evolve, thus the components involved are very similar in physiological different species.
IMMUNOGEN	Complement factor B isolated from chicken plasma (1)
SPECIFICITY	HYB 022-03 is specific for the Bb fragment of chicken factor B, both native and denatured.
EPI TOPE SPECIFICITY	Not determined
REACTIVITY	In Western blotting after SDS-PAGE, HYB 022-03 reacts with the three different phenotypes of factor B, either generating four fast running bands (phenotype F), four slow running bands (type S) or six bands (type S/F) (1). In ELISA, HYB 022-03 shows strong reaction with factor B (chicken) coated directly onto the microtiter well.
CULTURE MEDIUM	RPMI 1640 with 10% fetal calf serum
FUSION PARTNER	
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	1:15,000	
Immunoblotting	Yes		1
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	<ol style="list-style-type: none"> Koch C (1986) A genetic polymorphism of the complement component factor B in chickens not linked to the major histocompatibility complex (MHC). <i>Immunogenetics</i> 23:364-367. Kjalke M, Welinder KG, Koch C (1993) Structural analysis of chicken factor B-like protease and comparison with mammalian complement proteins factor B and C2. <i>J Immunol</i> 151:4147-4152. Koch C (1986) The alternative complement pathway in chickens. Purification of factor B and production of a monospecific antibody against it. <i>Acta Pathol Microbiol Immunol Scand C</i> 94:253-259. Koch C, Skjodt K, Laursen I (1985) A simple immunoblotting method after separation of proteins in agarose gel. <i>J Immunol Methods</i> 84:271-278.
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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.