



**Anti Conglutinin (recombinant, bovine)  
mouse monoclonal antibody**

Subclass: IgG<sub>2b</sub>/λ

PRODUCT NO.

**HYB 263-02**

PRESENTATION

Preparation: Protein-A purified  
Content: Available in 200 µL and 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

Conglutinin is a plasma protein belonging to the C-type family of collectins. Conglutinin is closely related to surfactant protein A and D and mannan-binding lectin, but has so far conglutinin only been found in Bovidae. Some and maybe all of the C-type collectins bind microbial carbohydrates and subsequently activate the complement system. The molecular mass of conglutinin is app. 40 kDa (1).

IMMUNOGEN

Recombinant neck-CRD domain of conglutinin

SPECIFICITY

HYB 263-02 is specific for the C-terminal part of the conglutinin molecule. No cross-reaction to CL-43 is seen in Western blotting.

EPI TOPE SPECIFICITY

HYB 263-02 binds to the CRD (carbohydrate recognition domain) region or the α-helical neck region of conglutinin.

REACTIVITY

Not determined

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)<sub>3</sub>

APPLICATION

Method	Usability	Dilution guideline	References
ELISA	Yes		
Immunoblotting	No		
Immunohistochemistry	Not determined		

Users should determine the optimal dilutions for their own purposes.

REFERENCES

- Holmskov UL (2000) Collectins and collectin receptors in innate immunity. APMIS Suppl 100:1-59.
- Hansen S, Moeller V, Holm D, Vitved L, Bendixen C, Skjodt K, Holmskov U (2002) Novel characterisation of the gene encoding conglutinin reveals that previously characterised promoter corresponds to the CL-43 promoter. Mol Immunol 39:39-43.

**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.