

**Anti Collectin-43 (bovine, CL-43)
Mouse Monoclonal Antibody**Subclass: IgG₁/κ

PRODUCT NO.	HYB 260-04												
PRESENTATION	Preparation: Protein-A purified Content: 1 ml, 1 mg/mL Solvent: 0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl Storage: In the dark at 4-8°C												
ANTIGEN	Collectin-43 is a serum protein produced by the liver and a member of the collectin family. Collectins bind to microbial surface carbohydrates in a calcium-dependent way and thereby impeding infectivity or mediating phagocytosis through specific receptors on the phagocytes. Collectin-43 has so far only been found in Bovidae. It was given its name from its reduced mass of 43 kDa.												
IMMUNOGEN	Native CL-43 purified from bovine serum (4)												
SPECIFICITY	HYB 260-04 is specific for bovine CL-43												
EPI TOPE SPECIFICITY	Not determined												
REACTIVITY	In Western blotting after SDS-PAGE HYB 260-04 reacts strongly with CL-43 in both reduced and non-reduced forms. Both full length and truncated CL-43 is recognized.												
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 rowspan="3">1:1000</td> <td rowspan="3"></td> </tr> <tr> <td>Immunoblotting</td> <td>Yes</td> </tr> <tr> <td>Immunohistochemistry</td> <td>Not determined</td> </tr> </tbody> </table>	Method	Usability	Dilution guideline	References	ELISA	Yes	1:1000		Immunoblotting	Yes	Immunohistochemistry	Not determined
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REFERENCES	<ol style="list-style-type: none"> Holmskov UL (2000) Collectins and collectin receptors in innate immunity. <i>APMIS Suppl</i> 100:1-59. Rothmann AB, Mortensen HD, Holmskov U, Højrup P (1997) Structural characterization of bovine collectin-43. <i>Eur J Biochem</i> 243:630-635. Reading PC, Holmskov U, Anders EM (1998) Antiviral activity of bovine collectins against rotaviruses. <i>J Gen Virol</i> 79:2255-2263. Holmskov U, Teisner B, Willis AC, Reid KB, Jensenius JC (1993) Purification and characterization of a bovine serum lectin (CL-43) with structural homology to conglutinin and SP-D and carbohydrate specificity similar to mannan-binding protein. <i>J Biol Chem</i> 268:10120-25. 												

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.