

**Anti M-Ficolin (human)  
Mouse monoclonal antibody**

Subclass: IgG1/k

PRODUCT NO.	<b>ABS 036-01</b>																
PRESENTATION	Preparation: Protein-A/G 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 15 mM sodium azide Storage: In the dark at 4-8°C																
ANTIGEN	M-Ficolin (Ficolin-1) is a non-serum protein that is expressed in leukocytes and lung. M-Ficolin precipitates with mannose-binding lectin (MBL)-associated serine proteases (MASP)-1 and MASP-2, indicating that M-Ficolin forms complexes with MASP-1 and MASP-2, recognizes certain types of bacteria and subsequently activates the lectin pathway (1).																
IMMUNOGEN	Purified prokariot expressed recombinant human M-Ficolin (aa 95 to 314).																
SPECIFICITY	ABS 036-01 reacts with M-Ficolin.																
EPI TOPE SPECIFICITY																	
REACTIVITY	In ELISA ABS 036-01 reacts with recombinant M-Ficolin coated directly onto the microtiter well.																
CULTURE MEDIUM	RPMI 1640 with 10% fetal calf serum																
FUSION PARTNER	Sp2/mIL-6 (LGC Promochem, ATCC # CRL-2016)																
IMMUNIZATION	Female CF1 x BALB/c mice immunized subcutant with immunogen adsorbed onto Al(OH) <sub>3</sub> in freunds incomplete adjuvant																
APPLICATION	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Method</th> <th style="width: 20%;">Usability</th> <th style="width: 30%;">Dilution guideline</th> <th style="width: 20%;">References</th> </tr> </thead> <tbody> <tr> <td>ELISA</td> <td style="text-align: center;">Yes</td> <td style="text-align: center;">1:20,000</td> <td></td> </tr> <tr> <td>Immunoblotting</td> <td style="text-align: center;">Not determined</td> <td></td> <td></td> </tr> <tr> <td>Immunohistochemistry</td> <td style="text-align: center;">Not determined</td> <td></td> <td></td> </tr> </tbody> </table> <p style="font-size: small; margin-top: 5px;">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.</p>	Method	Usability	Dilution guideline	References	ELISA	Yes	1:20,000		Immunoblotting	Not determined			Immunohistochemistry	Not determined		
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REFERENCES	1. Liu Y, Endo Y, Iwaki D, Nakata M, Matsushita M, Wada I, Inoue K, Munakata M, Fujita T (2005) Human M-Ficolin is a secretory protein that activates the lectin complement pathway. J Immunol 175:3150-3156.																

**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.

**Version**

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