

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

Subclass: IgG1/k

PRODUCT NO.	ABS 005-16
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	L-Ficolin (Ficolin-2) is an innate immunity pattern recognition molecule found in human serum. L-Ficolin binds to distinct pathogen-associated molecular patterns (PAMP), such as carbohydrates (GlcNAc), lipoteichoic acid and acetylated groups thereby facilitating phagocytosis and activation of complement through the lectin route using the same serine proteases as mannose-binding lectin (MBL) named MASP ((MBL)-associated serine protease) (1).
IMMUNOGEN	Purified prokaryot expressed recombinant human L-Ficolin and full-length L-Ficolin (Ficolin-2) protein
SPECIFICITY	ABS 005-16 reacts specifically with L-Ficolin. No cross reactivity is seen with M-Ficolin (Ficolin-1) and H-Ficolin (Ficolin-3)
EPITOPE SPECIFICITY	Not determined
REACTIVITY	ABS 005-16 is especially well suited as capture antibody in a sandwich ELISA in combination with ABS 005-19. Furthermore, in ELISA, ABS 005-16 reacts with recombinant L-Ficolin coated directly into 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) ₃ in freunds incomplete adjuvant

APPLICATION

Method	Usability	Dilution guideline	References
ELISA	Yes	1:2000	1
Immunoblotting	Yes		1
Immunohistochemistry	Not determined		

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.

REFERENCES

1. Munthe-Fog L, Hummelshøj T, Hansen BE, Koch C, Madsen HO, Skjødt K, Garred P (2007) The impact of FCN2 polymorphisms and haplotypes on the Ficolin-2 serum levels. Scand J Immunol 65:383-392.

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.

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