

Anti-L-Ficolin (human)

CAT. NO. ABS 005-19

OVERVIEW

Product Name	Anti-L-Ficolin (human)	Conjugation	Unconjugated
Description	Mouse monoclonal antibody	Host	Mouse
Isotype	IgG2a/k	Clone	19
Tested Applications	ELISA, WB, IP		

SPECIFICITY

Specificity ABS 005-19 reacts specifically with L-Ficolin. No cross reactivity is seen with M-Ficolin (Ficolin-1) and H-Ficolin (Ficolin-3).

Immunogen Purified procaryot expressed recombinant human L-Ficolin and full-length L-Ficolin (Ficolin-2) protein. **Gene ID** 2220

Target 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).

Species Reactivity POSITIVE Human **Species Reactivity NEGATIVE** Not determined

PROPERTIES

Form	Liquid	Unit Size	0,4 mL and 1 mL
Concentration	1 mg/mL \pm 15%, See CoA for lot details		
Purification	Protein A or Protein G purified	Purification Notes	BSA free
Storage buffer	0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl and 15 mM sodium azide		
Storage condition	2-8°C without exposure to light		
Safety	Wear protective clothing		

TESTED APPLICATIONS

ELISA ABS 005-19 is especially well suited as detecting antibody in a sandwich ELISA in combination with ABS 005-16. Furthermore, in ELISA, ABS 005-19 reacts with recombinant L-Ficolin coated directly into the microtiter well. (1)

WB ABS 005-19 can be used in Western blotting. (1, 2, 3)

IP ABS 005-19 can be used in immunoprecipitation. (4)

SCIENTIFIC REFERENCES

- 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.
- Jensen ML, Honoré C, Hummelshøj T, Hansen BE, Madsen HO, Garred P (2006) Ficolin-2 recognizes DNA and participates in the clearance of dying host cells. Mol Immunol 44:856-865.
- Hummelshøj T, Thielens NM, Madsen HO, Arlaud GJ, Sim RB, Garred P (2006) Molecular organization of human Ficolin-2. Mol Immunol 44:401-411.

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4. Skjoedt MO, Hummelshoj T, Palarasah Y, Honore C, Koch C, Skjodt K, Garred P (2010) A Novel Mannose-binding Lectin/Ficolin-associated Protein Is Highly Expressed in Heart and Skeletal Muscle Tissues and Inhibits Complement Activation. J Biol Chem 285:8234-8243.

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