

## Anti-H-Ficolin (human)

CAT. NO. RIG 334-01

### OVERVIEW

<b>Product Name</b>	Anti-H-Ficolin (human)	<b>Conjugation</b>	Unconjugated
<b>Description</b>	Mouse monoclonal antibody	<b>Host</b>	Mouse
<b>Isotype</b>	IgG1/k	<b>Clone</b>	FCN334
<b>Tested Applications</b>	ELISA, IP		

### SPECIFICITY

<b>Specificity</b>	RIG 334-01 reacts specifically with H-ficolin. No cross-reaction has been observed with L- or M-ficolin.		
<b>Immunogen</b>	Recombinant human H-ficolin	<b>Gene ID</b>	8547

**Target** H-Ficolin (Hakata antigen, Ficolin-3) is an innate immunity pattern recognition molecule found in human serum. H-Ficolin binds to distinct pathogen-associated molecular patterns (PAMP) formed by carbohydrates (GlcNAc, GalNAc and fucose) activating complement through the lectin pathway by means of the associated MASPs ((MBL)-associated serine proteases). H-Ficolin consists of 35 kDa protein chains associated in triplet subunits which are again associated in high molecular weight oligomers by means of disulfide bonds at the N-terminal region.

<b>Species Reactivity</b>	Human	<b>Species Reactivity</b>	Not determined
<b>POSITIVE</b>		<b>NEGATIVE</b>	

### PROPERTIES

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

### TESTED APPLICATIONS

<b>ELISA</b>	RIG 334-01 reacts with recombinant H-ficolin coated directly onto the microtiter well. A sandwich ELISA for H-ficolin uses RIG 334-01 for both capture and detection. (1)
<b>IP</b>	RIG 334-01 can be used in immunoprecipitation. (2)

### SCIENTIFIC REFERENCES

- Munthe-Fog L, Hummelshøj T, Ma YJ, Hansen BE, Koch C, Madsen HO, Skjødt K, Garred P (2008) Characterization of a polymorphism in the coding sequence of FCN3 resulting in a Ficolin-3 (Hakata antigen) deficiency state. *Molecular Immunology* 45:2660-2666.
- Skjødt MO, Hummelshøj T, Palarasah Y, Honore C, Koch C, Skjødt 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.

#### CONDITIONS

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