

## PRODUCT SPECIFICATION

### Anti-H-Ficolin (human)

#### Mouse monoclonal antibody, biotinylated RIG 334-01 B

Subclass: IgG1/k

PRODUCT NO.

PRESENTATION

Preparation: Biotinylated

Content: 100 µL, 1 mg/mL +/- 15%. See Certificate of Analysis for details.

Solvent: 0.01 M phosphate buffer, pH 7.4, with 0.14 M NaCl and 15 mM sodium azide

Storage: 4-8°C without exposure to light. No precautions necessary during handling.

ANTIGEN

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.

IMMUNOGEN

Recombinant human H-ficolin

SPECIFICITY

RIG 334-01 reacts specifically with H-ficolin. No cross-reaction has been observed with L- or M-ficolin (1).

EPITOPE SPECIFICITY

Not determined

REACTIVITY

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).

CULTURE MEDIUM

RPMI 1640 with 10% fetal calf serum

FUSION PARTNER

SP2/O

IMMUNIZATION

NMRI x BALB/c mice immunized by intraperitoneal injection

APPLICATION

Method	Usability	References
ELISA	Yes	1
Immunoblotting	Not determined	
Immunohistochemistry	Not determined	

REFERENCES

1. 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.

### 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.