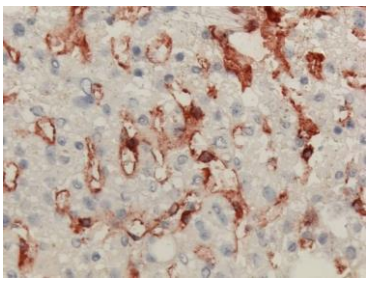
CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	Ficolin-3, Human, clone 4H5		
Catalog number	HM2089-100UG		
Lot number	-	**Expiry date**	-
Volume	1 ml	**Amount**	100 µg
Formulation	0.2 µm filtered in PBS+0.1%BSA+0.02%NaN3	**Concentration**	100 µg/ml
Host Species	Mouse IgG1	**Conjugate**	None
Endotoxin	N.A.	**Purification**	Protein G
Storage	4°C		

Application notes

	IHC-F	IHC-P	IF	FC	FS	IA	IP	W
Reference #								
Yes	•					•	•	
No								
N.D.		•	•	•	•			•

N.D.= Not Determined; IHC = Immuno histochemistry; F = Frozen sections; P = Paraffin sections; IF = Immuno Fluorescence; FC = Flow Cytometry; FS = Functional Studies; IA = Immuno Assays; IP = Immuno Precipitation; W = Western blot



IHC-F: Immunohistochemical analysis of Ficolin-3 in frozen human liver tissue using rabbit-Γ-mouse-HRP (top) and mAb 4H5 (bottom) (Cat.# HM2089).

Dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:50.

- IHC-F: Tissue sections were fixed in acetone and pretreated with 225 µl 30% H2O2 in 75 ml PBS 30 min at RT to quench endogenous peroxidases.

General Information

Description

The monoclonal antibody 4H5 recognizes human Ficolin-3, also known as H-ficolin. Ficolins are a family of pattern recognition molecules containing both a collagen-like domain and a fibrinogen-like domain that are capable of activating the complement system, through association with MASPs, on the surface of microorganisms. In human, three Ficolins are known: Ficolin-1 (M-ficolin), Ficolin-2 (L-ficolin), and Ficolin-3 (H-ficolin). Ficolin-1, is mainly expressed by monocytes, granulocytes and lung cells and is present locally in areas of inflammation. Ficolin-3 (also Hakata antigen, H-ficolin or ficolin H) is produced by the liver and by the lung. Ficolin-3 is associated with three types of MASPs and sMAP, this complex activates C4, C2 and C3 in the fluid phase.

Aliases

Hakata antigen, H-ficolin or ficolin H

References

1. Matsushita, M et al; Activation of the lectin complement pathway by ficolins. Int Immunopharmacol 2001, *1*: 359
2. Matsushita, M et al; Activation of the lectin complement pathway by H-ficolin (Hakata antigen). J of Immunol 2002, *168*: 3502
3. Matsushita, M et al; The role of ficolins in innate immunity. Immunobiol 2002, *205*: 490
4. Kuraya, M et al; Expression of H-ficolin/Hakata antigen, mannose-binding lectin-associated serine protease (MASP)-1 and MASP-3 by human glioma cell line T98G. Int Immunol 2003, *15*: 109

Storage&stability	Product should be stored at 4°C. Under recommended storage conditions, product is stable for at least one year.
Precautions	For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result from the use or derivation of this product.

We hereby certify that the above-stated information is correct and that this product has been successfully tested by the Quality Control Department. This product was released for sale according to the existing specifications. This document has been produced electronically and is valid without a signature.

Approved by Manager of QC	Date
Brenda Teunissen	02/12/2019

Do you have any questions or comments regarding this product? Please contact us via support@hycultbiotech.com.