

**MONOCLONAL ANTIBODY TO
HUMAN H-FICOLIN/HAKATA ANTIGEN
clone 4H5**



Catalog nr	HM2089 (lot number and expiry date are indicated on the label)								
Description	<p>Ficolins are a group of proteins containing both a collagen-like domain and a fibrinogen-like domain. They are found in various tissues. The domain organizations between ficolins and mannose binding lectin (MBL) are similar, although the carbohydrate-binding moieties are different. In man two types of ficolins (L-ficolin/P35 and H-ficolin) are present in serum and one type (M-ficolin) in cells.</p> <p>H-ficolin (also Hakata antigen or ficolin H) is produced by the liver and by the lung. H-ficolin is associated with three types of MASPs and sMAP, this complex activates C4, C2 and C3 in the fluid phase.</p>								
Species	Mouse IgG ₁								
Formulation	1 ml (100 µg/ml) 0.2 µm filtered antibody solution in PBS, containing 0.02% sodium azide and 0.1% bovine serum albumin.								
Application	The antibody can be used for immuno precipitation and immuno assays.								
Storage and stability	Product should be stored at 4°C. Under recommended storage conditions, product is stable for 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 with the use of or derivation of this product.								
References	<ol style="list-style-type: none">1. Matsushita, M et al; Activation of the lectin complement pathway by ficolins. <i>Int Immunopharmacol</i> 2001, <i>1</i>: 3592. Matsushita, M et al; Activation of the lectin complement pathway by H-ficolin (Hakata antigen). <i>J of Immunol</i> 2002, <i>168</i>: 35023. Matsushita, M et al; The role of ficolins in innate immunity. <i>Immunobiol</i> 2002, <i>205</i>: 4904. 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. <i>Int Immunol</i> 2003, <i>15</i>: 109								
Also available	<table><tr><td>HM2061</td><td>Monoclonal antibody against Human MBL, clone 3E7</td></tr><tr><td>HM2081</td><td>Monoclonal antibody against Human MBL, clone D8.18</td></tr><tr><td>HM2090</td><td>Monoclonal antibody against Human L-ficolin/P35, clone GN4</td></tr><tr><td>HM2091</td><td>Monoclonal antibody against Human L-ficolin/P35, clone GN5</td></tr></table>	HM2061	Monoclonal antibody against Human MBL, clone 3E7	HM2081	Monoclonal antibody against Human MBL, clone D8.18	HM2090	Monoclonal antibody against Human L-ficolin/P35, clone GN4	HM2091	Monoclonal antibody against Human L-ficolin/P35, clone GN5
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