

**MONOCLONAL ANTIBODY TO
HUMAN L-FICOLIN/P35
clone GN5**



Catalog nr	HM2091 (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>L-ficolin/P35 (also L-ficolin, ficolin L, EBP-37 or hucolin) is produced primarily by the liver. The association between L-ficolin/P35 and MASPs/sMAP is Ca²⁺-dependent. MASPs in L-ficolin/P35-MASP complexes have proteolytic activities for C4, C2 and C3. L-ficolin/P35 also shows opsonic activity.</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 in immuno assays as detecting antibody. Furthermore the antibody is useful for Western blotting of non-reduced samples.								
Use	For Western blotting 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 1:10. The antibody does not work in Western blotting of reduced samples. Using non-reduced samples only weak signals are obtained.								
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, 1: 3592. Matsushita, M et al; Activation of the lectin complement pathway by H-ficolin (Hakata antigen). <i>J of Immunol</i> 2002, 168: 35023. Matsushita, M et al; The role of ficolins in innate immunity. <i>Immunobiol</i> 2002, 205: 490								
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>HM2089</td><td>Monoclonal antibody against Human H-ficolin, clone 4H5</td></tr><tr><td>HM2090</td><td>Monoclonal antibody against Human L-ficolin/P35, clone GN4</td></tr></table>	HM2061	Monoclonal antibody against Human MBL, clone 3E7	HM2081	Monoclonal antibody against Human MBL, clone D8.18	HM2089	Monoclonal antibody against Human H-ficolin, clone 4H5	HM2090	Monoclonal antibody against Human L-ficolin/P35, clone GN4
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