

**MONOCLONAL ANTIBODY TO  
HUMAN C5a RECEPTOR (CD88)  
clone W17/1**



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| <b>Catalog nr</b>            | HM2095 (lot number and expiry date are indicated on the label)  |        |  |        |   |        |   |        |   |        |  |
| <b>Description</b>           | The human anaphylatoxin C5a is a 74-residu glycopolypeptide which is generated by proteolytic cleavage of the complement factor C5 in the course of complement activation. A variety of biological effects evoked by C5a could be demonstrated, rendering this molecule an important mediator of inflammation, with granulocytes and macrophages as the main target cells. All cellular responses to C5a are specifically mediated by interactions with the membrane bound C5a receptor, a seven transmembrane GTP-binding-protein-coupled receptor that belongs to the rhodopsin supergene family. The C5a receptor is approximately 45 kDa.   |        |  |        |   |        |   |        |   |        |  |
| <b>Species</b>               | Mouse IgG <sub>1</sub>  |        |  |        |   |        |   |        |   |        |  |
| <b>Formulation</b>           | 1 ml (100 µg/ml) 0.2 µm filtered antibody solution in PBS, containing 0.1% bovine serum albumin and 0.02 % sodium azide.  |        |  |        |   |        |   |        |   |        |  |
| <b>Application</b>           | The antibody can be used for flow cytometry and immunohistology on frozen and paraffin sections. The antibody is not useful for immunoprecipitation.  |        |  |        |   |        |   |        |   |        |  |
| <b>Use</b>                   | For immunohistology and flow cytometry, 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.  |        |  |        |   |        |   |        |   |        |  |
| <b>Storage and stability</b> | Product should be stored at 4°C. Under recommended storage conditions, product is stable for one year.  |        |  |        |   |        |   |        |   |        |  |
| <b>Precautions</b>           | 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.   |        |  |        |   |        |   |        |   |        |  |
| <b>References</b>            | <ol style="list-style-type: none"><li>1. Opperman, M et al; Probing the human receptor for C5a anaphylatoxin with side-directed antibodies. <i>J Immunol</i> 1993, <i>151</i>: 3785</li><li>2. Opperman, M et al; Antibodies from the myeloid panel that react with the C5a receptor and antagonize C5a biological activity. Schlossman, S.F. (ed.) <i>Leucocyte typing V.O.U.P.</i>: 955-956</li><li>3. Werfel, T et al; Binding of anti-C5a receptor (C5aR) antibodies to cells of clinically normal human skin. Schlossman, S.F. (ed.) <i>Leucocyte typing V.O.U.P.</i>: 957-959</li><li>4. Opperman, M et al; Plasma clearance of human C5a anaphylatoxin by binding to leucocytes C5a receptors. <i>Immunol</i> 1994, <i>82</i>: 516</li></ol> |        |  |        |   |        |   |        |   |        |  |
| <b>Also available</b>        | <table><tr><td>HM2076</td><td>Monoclonal antibody against Human C5/C5a (N-terminus), clone 561</td></tr><tr><td>HM2077</td><td>Monoclonal antibody against Human C5/C5a, clone 557</td></tr><tr><td>HM2078</td><td>Monoclonal antibody against Human C5a/C5a des-Arg, clone 2942</td></tr><tr><td>HM2080</td><td>Monoclonal antibody against Human C5/C5b, clone 568</td></tr><tr><td>HM2094</td><td>Monoclonal antibody against Human C5aR, clone S5/1</td></tr></table>   | HM2076 | Monoclonal antibody against Human C5/C5a (N-terminus), clone 561 | HM2077 | Monoclonal antibody against Human C5/C5a, clone 557 | HM2078 | Monoclonal antibody against Human C5a/C5a des-Arg, clone 2942 | HM2080 | Monoclonal antibody against Human C5/C5b, clone 568 | HM2094 | Monoclonal antibody against Human C5aR, clone S5/1 |
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