MONOCLONAL ANTIBODY TO
HUMAN C5/C5b
clone 568

Catalog no
HM2080 (lot number and expiry date are indicated on the label)

Description
Monoclonal antibody 568 reacts with an epitope on C5 and on C5b. C5 is involved in the activation of
the lytic pathway within the complement system which is an important factor in innate immunity. The
complement pathways can be divided in the activation pathways and lytic pathway. The activation
pathways lead via C3 to the cleavage of the fifth complement component C5 into C5a and C5b. C5b
initiates the assembly of the membrane attack complex (MAC) that mediates cytolysis.

Species
Mouse IgG2a

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

<table>
<thead>
<tr>
<th></th>
<th>F</th>
<th>FC</th>
<th>FS</th>
<th>IA</th>
<th>IF</th>
<th>IP</th>
<th>P</th>
<th>W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td></td>
<td></td>
<td>●</td>
<td></td>
<td></td>
<td></td>
<td>●</td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>●</td>
<td>●</td>
<td></td>
<td>●</td>
<td></td>
<td>●</td>
<td></td>
<td>●</td>
</tr>
</tbody>
</table>

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

Use
It is recommended that users test the reagent and determine their own optimal dilutions. The typical
starting working dilution is 1:10.

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 from the use or derivation of this product.

References
1. Mollnes, T.E et al; Identification of a human C5 β-chain epitope exposed in the native complement

Also available
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 (neo-epitope), clone 2942
HM2079 Monoclonal antibody against Human C5a/C5a des-Arg (neo-epitope), clone 2952