

Datasheet: 0200-0614

**BATCH NUMBER 155197**

|                      |                         |
|----------------------|-------------------------|
| <b>Description:</b>  | MOUSE ANTI HUMAN C3b    |
| <b>Specificity:</b>  | C3b                     |
| <b>Other names:</b>  | COMPLEMENT COMPONENT 3b |
| <b>Format:</b>       | Purified                |
| <b>Product Type:</b> | Monoclonal Antibody     |
| <b>Clone:</b>        | H11                     |
| <b>Isotype:</b>      | IgG1                    |
| <b>Quantity:</b>     | 50 µg                   |

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

|                            | Yes | No | Not Determined | Suggested Dilution |
|----------------------------|-----|----|----------------|--------------------|
| Flow Cytometry             |     |    | ▪              |                    |
| Immunohistology - Frozen   | ▪   |    |                | 1/10               |
| Immunohistology - Paraffin |     |    | ▪              |                    |
| ELISA                      |     |    | ▪              |                    |
| Western Blotting           | ▪   |    |                |                    |

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

|                        |  |
|------------------------|--|
| <b>Target Species</b>  | Human  |
| <b>Product Form</b>    | Purified IgG - lyophilised   |
| <b>Reconstitution</b>  | Reconstitute with 1.0 ml distilled water<br>Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Gentle mixing of the vial following reconstitution is recommended. |
| <b>Preparation</b>     | Purified IgG prepared by affinity chromatography on Protein A  |
| <b>Buffer Solution</b> | Phosphate buffered saline  |

|                                       |   |
|---------------------------------------|---|
| <b>Preservative Stabilisers</b>       | 0.09% Sodium Azide, 0.5% Bovine Serum Albumin.<br>These concentrations relate to the reconstituted product.   |
| <b>Approx. Protein Concentrations</b> | IgG concentration 50 ug/ml after reconstitution   |
| <b>Immunogen</b>                      | Human C3b.  |
| <b>External Database Links</b>        | <p><b>UniProt:</b><br/> <a href="#">P01024</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b><br/> <a href="#">718</a>    C3    <a href="#">Related reagents</a></p>  |
| <b>Synonyms</b>                       | CPAMD1  |
| <b>RRID</b>                           | AB_620115   |
| <b>Specificity</b>                    | <b>Mouse anti Human C3b antibody, clone H11</b> recognizes human C3b, part of the complement system. C3 is cleaved by C3-convertase creating C3a and C3b, which binds to the surface of pathogens leading to their destruction by phagocytic cells. Mouse anti Human C3b antibody, clone H11 recognizes a determinant present on native (circulating) C3 and on the fragments C3b and C3c. The antibody is directed to a determinant present on the betachain of the C3 molecule (Western blot). It does not react with the anaphylatoxin C3a or the fragment C3d and does not inhibit the haemolytic function of C3. |
| <b>References</b>                     | <ol style="list-style-type: none"> <li>Hallström, T. <i>et al.</i> (2011) Immune Evasion of <i>Moraxella catarrhalis</i> Involves Ubiquitous Surface Protein A-Dependent C3d Binding. <a href="#">J Immunol. 186: 3120-9.</a></li> <li>Sica, M. <i>et al.</i> (2017) Eculizumab treatment: stochastic occurrence of C3 binding to individual PNH erythrocytes. <a href="#">J Hematol Oncol. 10 (1): 126.</a></li> </ol>   |
| <b>Storage</b>                        | <p>Prior to reconstitution store at +4°C.</p> <p>After reconstitution store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended. This product should be stored undiluted.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody.</p> <p>Should this product contain a precipitate we recommend microcentrifugation before use.</p>  |
| <b>Guarantee</b>                      | Guaranteed until date of expiry. Please see product label.  |
| <b>Health And Safety Information</b>  | Material Safety Datasheet documentation #20486 available at:<br><a href="https://www.bio-rad-antibodies.com/SDS/0200-0614">https://www.bio-rad-antibodies.com/SDS/0200-0614</a><br>20486  |
| <b>Regulatory</b>                     | For research purposes only  |

## Related Products

## Recommended Secondary Antibodies

|   |   |
|---|---|
| Rabbit Anti Mouse IgG (STAR12...)       | <a href="#">RPE</a>   |
| Goat Anti Mouse IgG IgA IgM (STAR87...) | <a href="#">HRP</a>   |
| Goat Anti Mouse IgG (STAR76...)         | <a href="#">RPE</a>   |
| Rabbit Anti Mouse IgG (STAR13...)       | <a href="#">HRP</a>   |
| Goat Anti Mouse IgG (STAR70...)         | <a href="#">FITC</a>  |
| Goat Anti Mouse IgG (H/L) (STAR117...)  | <a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®550</a> ,<br><a href="#">DyLight®650</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> ,<br><a href="#">FITC</a> , <a href="#">HRP</a> |
| Rabbit Anti Mouse IgG (STAR9...)        | <a href="#">FITC</a>  |
| Goat Anti Mouse IgG (STAR77...)         | <a href="#">HRP</a>   |
| Goat Anti Mouse IgG (Fc) (STAR120...)   | <a href="#">FITC</a> , <a href="#">HRP</a>  |

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