Datasheet: MCA2606
BATCH NUMBER 158317

Product Details

<table>
<thead>
<tr>
<th>Description:</th>
<th>MOUSE ANTI HUMAN C3d</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specificity:</td>
<td>C3d</td>
</tr>
<tr>
<td>Other names:</td>
<td>COMPLEMENT COMPONENT 3d</td>
</tr>
<tr>
<td>Format:</td>
<td>Purified</td>
</tr>
<tr>
<td>Product Type:</td>
<td>Monoclonal Antibody</td>
</tr>
<tr>
<td>Clone:</td>
<td>053A-1149.3.1.4 (also known as 1003)</td>
</tr>
<tr>
<td>Isotype:</td>
<td>IgG1</td>
</tr>
<tr>
<td>Quantity:</td>
<td>0.1 ml</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
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<tr>
<td>Immunohistology - Frozen</td>
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<td>✓</td>
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<td>ELISA</td>
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<tr>
<td>Western Blotting</td>
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<td>1/5000</td>
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</tbody>
</table>

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.

Target Species

Human

Product Form

Purified Ig - liquid

Preparation

Purified Ig prepared by affinity chromatography on Protein A.

Buffer Solution

Borate buffered saline

Preservative Stabilisers

0.1% Sodium Azide (NaN₃)

Approx. Protein Concentrations

IgG concentration 1.13 mg/ml
Immunogen

Purified C3d from human plasma.

External Database Links

UniProt: P01024 Related reagents

Entrez Gene: 718 C3 Related reagents

Synonyms

CPAMD1

RRID

AB_2228182

Specificity

Mouse anti Human C3d antibody, clone 053A-1149.3.1.4 recognizes human complement component 3d (C3d), a ~33 kDa polypeptide fragment generated over the course of complement activation where complement 3 (C3) convertases cleave C3 to C3b, which is further degraded into iC3b and C3dg/C3d.

C3d is involved in the regulation of many aspects of the immune response, including antigen processing and presentation. The C3d/antigen complex mediates B cell activation by simultaneously binding antigen-specific surface bound immunoglobulin and CD21, lowering the complement activation threshold. C3 is crucial in the induction of tolerance generated when an antigen is introduced into immunoprivileged sites and this is exploited by pathogens and cancer cells to evade the immune system by inhibiting complement activation.

Immunohistology

For best results Bio-Rad recommend HISTAR detection kits.

References


Further Reading


Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee

Guaranteed until date of expiry. Please see product label.

Health And Safety Information

Material Safety Datasheet documentation #10334 available at:
Related Products

**Recommended Secondary Antibodies**

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

**Recommended Negative Controls**

- MOUSE IgG1 NEGATIVE CONTROL (MCA928)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets]

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