Datasheet: MCA2606

Description: MOUSE ANTI HUMAN C3d
Specificity: C3d
Other names: COMPLEMENT COMPONENT 3d
Format: Purified
Product Type: Monoclonal Antibody
Clone: 053A-1149.3.1.4 (also known as 1003)
Isotype: IgG1
Quantity: 0.1 ml

Product Details

Applications

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

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 from ascites

Buffer Solution Borate buffered saline

Preservative Stabilisers 0.1% Sodium Azide (NaN₃)

Approx. Protein Concentrations Current, batch-specific concentration 1.13 mg/ml

Immunogen Purified C3d from human plasma.
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.

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

Regulatory
For research purposes only
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

'M415994:230124'

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