Datasheet: MCA1379GA

Description: MOUSE ANTI HUMAN CD24

Specificity: CD24

Format: Purified

Product Type: Monoclonal Antibody

Clone: SN3

Isotype: IgG1

Quantity: 0.1 mg

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.

<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>
<td>✓</td>
<td></td>
<td></td>
<td>1/50 - 1/100</td>
</tr>
<tr>
<td>Immunohistology - Frozen (1)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunohistology - Paraffin</td>
<td>✓</td>
<td></td>
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<tr>
<td>ELISA</td>
<td></td>
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<tr>
<td>Immunoprecipitation</td>
<td></td>
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<tr>
<td>Western Blotting</td>
<td></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.

(1) The epitope recognised by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. Bio-Rad recommends the use of acetone fixation for frozen sections.

Target Species

Human

Species Cross Reactivity

Reacts with: Chimpanzee

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid
**Preparation**  
Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

<table>
<thead>
<tr>
<th><strong>Buffer Solution</strong></th>
<th>Phosphate buffered saline</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Preservative</strong></td>
<td>0.09% sodium azide (NaN₃)</td>
</tr>
<tr>
<td><strong>Stabilisers</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Carrier Free</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Approx. Protein Concentrations</strong></td>
<td>IgG concentration 1.0 mg/ml</td>
</tr>
<tr>
<td><strong>Immunogen</strong></td>
<td>Glycoproteins purified from human NALM-1 cell line</td>
</tr>
</tbody>
</table>

**External Database Links**  
UniProt: P25063  
**Entrez Gene:**  
100133941 CD24  
Related reagents

**Synonyms**  
CD24A

**RRID**  
AB_324709

**Fusion Partners**  
Spleen cells from immunized BALB/c mice were fused with cells of a mouse myeloma cell line

**Specificity**  
Mouse anti Human CD24 antibody, clone SN3 recognizes the human CD24 cell surface antigen, a heavily glycosylated molecule of ~35-45 kDa. CD24 is expressed by granulocytes and B lymphocytes, and by some activated T cells and T cell malignancies.

**Flow Cytometry**  
Use 10μl of the suggested working dilution to label 10⁶ cells or 100μl whole blood

**Histology Positive Control Tissue**  
Tonsil

**References**  

**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**

12 months from date of despatch

**Health And Safety Information**

Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA1379GA 10040

**Regulatory**

For research purposes only

**Related Products**

**Recommended Secondary Antibodies**

- Goat Anti Mouse IgG (STAR77...) HRP
- 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
- Rabbit Anti Mouse IgG (STAR9...) FITC
- Goat Anti Mouse IgG (Fc) (STAR120...) FITC, HRP

**Recommended Negative Controls**

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

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