Mouse Anti-Human IgM

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Format</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>9020-01</td>
<td>Purified (UNLB)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>9020-02</td>
<td>Fluorescein (FITC)</td>
<td>0.5 mg</td>
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<tr>
<td>9020-04</td>
<td>Alkaline Phosphatase (AP)</td>
<td>1.0 mL</td>
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<tr>
<td>9020-05</td>
<td>Horseradish Peroxidase (HRP)</td>
<td>1.0 mL</td>
</tr>
<tr>
<td>9020-08</td>
<td>Biotin (BIOT)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>9020-09</td>
<td>R-phycocerythin (PE)</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>9020-11</td>
<td>Allophycocyanin (APC)</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>9020-30</td>
<td>Alexa Fluor® 488 (AF488)</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>9020-31</td>
<td>Alexa Fluor® 647 (AF647)</td>
<td>0.1 mg</td>
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<tr>
<td>9020-32</td>
<td>Alexa Fluor® 555 (AF555)</td>
<td>0.1 mg</td>
</tr>
</tbody>
</table>

Overview

Clone: SA-DA4
Isotype: Mouse (BALB/c) IgG1κ
Immunogen: Human IgM myeloma protein
Specificity: Human IgM; Mr 900 kDa

Applications

- ELISA – Quality tested
- FLISA – Quality tested
- FC – Quality tested
- IHC-FS – Reported in literature
- ICC – Reported in literature
- IP – Reported in literature
- WB – Reported in literature
- Multiplex – Reported in literature
- Stim – Reported in literature

Working Dilutions

- **ELISA**
  - AP conjugate: 1:1,000 – 1:4,000
  - HRP conjugate: 1:4,000 – 1:8,000
  - BIOT conjugate: 1:5,000 – 10,000

- **FLISA**
  - FITC and AF488 conjugates: 1:200 – 1:400
  - AF555 conjugate: 1:100 – 1:400
  - PE, APC, and AF647 conjugates: ≤ 1 µg/mL

- **Flow Cytometry**
  - Purified (UNLB) antibody: ≤ 1 µg/10⁶ cells
  - FITC, BIOT, and AF488 conjugates: ≤ 1 µg/10⁶ cells
  - PE and APC conjugates: ≤ 0.2 µg/10⁶ cells
  - AF647 conjugate: ≤ 0.1 µg/10⁶ cells

For flow cytometry, the suggested use of these reagents is in a final volume of 100 µL.

Other Applications

Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.

*For Research Use Only. Not for Diagnostic or Therapeutic Use.*
Handling and Storage

- The purified (UNLB) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added. Store at 2-8°C.
- The fluorscein (FITC) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/Na3. Store at 2-8°C.
- The alkaline phosphatase (AP) conjugate is supplied as 1.0 mL in a stock solution of 50 mM Tris/1 mM MgCl2/50% glycerol, pH 8.0, containing Na3 as preservative. Store at 2-8°C or long-term at -20°C.
- The horseradish peroxidase (HRP) conjugate is supplied as 1.0 mL in a stock solution of 50% glycerol/50% PBS, pH 7.4. No preservative added. Store at 2-8°C or long-term at -20°C.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/Na3. Store at 2-8°C.
- The R-phycocerythrin (PE) and allophycocyanin (APC) conjugates are supplied as 0.1 mg in 1.0 mL of PBS/Na3 and a stabilizing agent. Store at 2-8°C. Do not freeze!
- The Alexa Fluor® 488 (AF488), Alexa Fluor® 647 (AF647), and Alexa Fluor® 555 (AF555) conjugates are supplied as 0.1 mg in 0.2 mL of PBS/Na3. Store at 2-8°C.
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

Warning

Some reagents contain sodium azide. Please refer to product specific SDS.

References

15. Dryer RL, Covey LR. Use of chromatin immunoprecipitation (ChIP) to detect transcription factor binding to highly homologous promoters in chromosomes isolated from unstimulated and activated primary human B cells. Biol Proced Online. 2006;8:44-54. (FC)

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