Mouse Anti-Rat IgG\textsubscript{2a}

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Format</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>3065-01</td>
<td>Purified (UNLB)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>3065-02</td>
<td>Fluorescein (FITC)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>3065-04</td>
<td>Alkaline Phosphatase (AP)</td>
<td>1.0 mL</td>
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<tr>
<td>3065-05</td>
<td>Horseradish Peroxidase (HRP)</td>
<td>1.0 mL</td>
</tr>
<tr>
<td>3065-08</td>
<td>Biotin (BIOT)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>3065-09</td>
<td>R-phycocerythrin (PE)</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>3065-15</td>
<td>Cyanine 5 (CY5)</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>3065-30</td>
<td>Alexa Fluor\textsuperscript{®} 488 (AF488)</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>3065-31</td>
<td>Alexa Fluor\textsuperscript{®} 647 (AF647)</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>3065-32</td>
<td>Alexa Fluor\textsuperscript{®} 555 (AF555)</td>
<td>0.1 mg</td>
</tr>
</tbody>
</table>

Overview

Clone 2A8F4
Isotype Mouse (BALB/c) IgG\textsubscript{1\kappa}
Immunogen Rat IgG\textsubscript{2a} hybridoma
Specificity Rat IgG\textsubscript{2a}

Applications

FC – Quality tested \textsuperscript{1-5}
ELISA – Quality tested \textsuperscript{6}
FLISA – Quality tested
IHC-FS – Reported in literature \textsuperscript{7}
ELISPOT – Reported in literature \textsuperscript{8}

Working Dilutions

Flow Cytometry
- FITC, BIOT, and AF488 conjugates: \( \leq 1 \mu g/10^6 \) cells
- PE, CY5, and AF647 conjugates: \( \leq 0.1 \mu g/10^6 \) cells

For flow cytometry, the suggested use of these reagents is in a final volume of 100 \( \mu L \)

ELISA
- AP conjugate: 1:2,000 – 1:4,000
- HRP conjugate: 1:4,000 – 1:8,000
- BIOT conjugate: 1:5,000 – 1:10,000

FLISA
- FITC and AF488 conjugates: 1:200 – 1:400
- AF555 conjugate: 1:100 – 1:400
- PE, CY5, and AF647 conjugates: \( \leq 1 \mu g/mL \)

Other Applications
Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.
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 fluorescein (FITC) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaNO3. Store at 2-8°C.
- The alkaline phosphatase (AP) conjugate is supplied as 1.0 mL of stock solution in 50 mM Tris/1 mM MgCl2/50% glycerol, pH 8.0, containing NaN3 as preservative. Store at 2-8°C or long-term at -20°C.
- The horseradish peroxidase (HRP) conjugate is supplied as 1.0 mL of stock solution in 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/NaNO3. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaNO3 and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Alexa Fluor® 488, Alexa Fluor® 647, and Alexa Fluor® 555 conjugates are supplied as 0.1 mg in 0.2 mL of PBS/NaNO3. Store at 2-8°C.
- The Cyanine 5 (CY5) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaNO3. 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 (M)SDS.

References

2. Kim DD, Miwa T, Kimura Y, Schwendener RA, van Lookeren Campagne M, Song WC. Deficiency of decay-accelerating factor and complement receptor 1-related gene/protein y on murine platelets leads to complement-dependent clearance by the macrophage phagocytic receptor CR1g. Blood. 2008;112:1109-19. (FC)

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