Rat Anti-Mouse IgG₂a

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Format</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>1155-01</td>
<td>Purified (UNLB)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>1155-02</td>
<td>Fluorescein (FITC)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>1155-04</td>
<td>Alkaline Phosphatase (AP)</td>
<td>1.0 mL</td>
</tr>
<tr>
<td>1155-05</td>
<td>Horseradish Peroxidase (HRP)</td>
<td>1.0 mL</td>
</tr>
<tr>
<td>1155-08</td>
<td>Biotin (BIOT)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>1155-09</td>
<td>R-phycoerythrin (PE)</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>1155-09L</td>
<td>R-phycoerythrin (PE)</td>
<td>0.2 mg</td>
</tr>
<tr>
<td>1155-30</td>
<td>Alexa Fluor® 488 (AF488)</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>1155-31</td>
<td>Alexa Fluor® 647 (AF647)</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>1155-32</td>
<td>Alexa Fluor® 555 (AF555)</td>
<td>0.1 mg</td>
</tr>
</tbody>
</table>

**Overview**

**Clone**  SB84a  
**Isotype**  Rat (Sprague Dawley) IgG₁κ  
**Immunogen**  Mouse IgG₂a hybridoma  
**Specificity**  Mouse IgG₂a

**Applications**

**FC** — Quality tested ¹,²  
**ELISA** — Quality tested ³–⁹  
**FLISA** — Quality tested  
**IHC-FS** — Reported in literature ¹⁰  
**ICC** ¹¹  
**WB** ¹¹  
**Multiplex** — Reported in literature ¹²

**Working Dilutions**

**Flow Cytometry**  
- FITC, BIOT, and AF488 conjugates  
- PE conjugate  
- AF647 conjugate  
  For flow cytometry, the suggested use of these reagents is in a final volume of 100 μL

**ELISA**  
- AP conjugate  
- HRP conjugate  
- BIOT conjugate  

**FLISA**  
- FITC and AF488 conjugates  
- AF555 conjugate  
- PE and AF647 conjugates  

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

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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 fluorescein (FITC) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaNO₂. 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 NaNO₂ 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/NaNO₂. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 0.1 mg in 1.0 mL or 0.2 mg in 2.0 mL of PBS/NaNO₂ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Alexa Fluor® 488 (AF488), Alexa Fluor® 555 (AF555) and Alexa Fluor® 647 (AF647) conjugates are supplied as 0.1 mg in 0.2 mL of PBS/NaNO₂. 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

1. Mandt T, Song Y, Scharenberg AM, Sahni J. SLC41A1 Mg²⁺ transport is regulated via Mg²⁺-dependent endosomal recycling through its N-terminal cytoplasmic domain. Biochem J. 2011;439:129-39. (FC)
11. SouthernBiotech unpublished data (ICC, WB)

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