**Mouse Anti-Rat IgG₁**

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Format</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>3060-01</td>
<td>Purified (UNLB)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>3060-02</td>
<td>Fluorescein (FITC)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>3060-05</td>
<td>Horseradish Peroxidase (HRP)</td>
<td>1.0 mL</td>
</tr>
<tr>
<td>3060-08</td>
<td>Biotin (BIOT)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>3060-09</td>
<td>R-phycoerythrin (PE)</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>3060-15</td>
<td>Cyanine 5 (CY5)</td>
<td>0.1 mg</td>
</tr>
</tbody>
</table>

**Overview**

- **Clone**: G17E7
- **Isotype**: Mouse (BALB/c) IgG₁κ
- **Immunogen**: Rat IgG₁ hybridoma
- **Specificity**: Rat IgG₁

**Applications**

- FC – Quality tested ¹⁻⁵
- ELISA – Quality tested ⁶,⁷
- FLISA – Quality tested ⁸
- IHC-FS ⁸

**Working Dilutions**

- **Flow Cytometry**
  - FITC and BIOT conjugates
  - PE and CY5 conjugates
    - ≤ 1 μg/10⁶ cells
    - ≤ 0.1 μg/10⁶ cells
  - For flow cytometry, the suggested use of these reagents is in a final volume of 100 μL

- **ELISA**
  - HRP conjugate
    - 1:4,000 – 1:8,000
  - BIOT conjugate
    - 1:5,000 – 1:20,000

- **FLISA**
  - FITC conjugate
    - 1:200 – 1:400
  - PE and CY5 conjugates
    - ≤ 1 μg/mL

**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.**

Corporate Offices: 160 Oxmoor Blvd • Birmingham, AL 35209 • USA  
Mailing Address: P.O. Box 26221 • Birmingham, AL 35260 • USA  
Tel: 205.945.1774 • U.S. and Canada: 800.722.2255 • Fax: 205.945.8768  
Email: info@southernbiotech.com • Website: www.southernbiotech.com
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 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/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 Cyanine 5 (CY5) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaNO₃. Store at 2-8°C.

**Warning**

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

References

8. SouthernBiotech published data (IHC-FS)

Cy3 is a registered trademark of GE Healthcare.