Mouse IgG2a Isotype Control

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Format</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>0103-01</td>
<td>Purified (UNLB)</td>
<td>1.0 mg</td>
</tr>
<tr>
<td>0103-02</td>
<td>Fluorescein (FITC)</td>
<td>100 tests</td>
</tr>
<tr>
<td>0103-04</td>
<td>Alkaline Phosphatase (AP)</td>
<td>1.0 mL</td>
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<tr>
<td>0103-05</td>
<td>Horseradish Peroxidase (HRP)</td>
<td>1.0 mL</td>
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<tr>
<td>0103-08</td>
<td>Biotin (BIOT)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>0103-09</td>
<td>R-phycoerythin (PE)</td>
<td>100 tests</td>
</tr>
<tr>
<td>0103-10</td>
<td>R-phycoerythin-Texas Red® (PE/TXRD)</td>
<td>100 tests</td>
</tr>
<tr>
<td>0103-11</td>
<td>Allophycocyanin (APC)</td>
<td>100 tests</td>
</tr>
<tr>
<td>0103-13</td>
<td>Spectral Red® (SPRD)</td>
<td>100 tests</td>
</tr>
<tr>
<td>0103-14</td>
<td>Low Endotoxin, Azide-Free (LE/AF)</td>
<td>0.5 mg</td>
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<tr>
<td>0103-15</td>
<td>Cyanine 5 (CY5)</td>
<td>100 tests</td>
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<tr>
<td>0103-17</td>
<td>R-phycoerythin-Cyanine 7 (PE/CY7)</td>
<td>100 tests</td>
</tr>
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<td>0103-18</td>
<td>Allophycocyanin-Cyanine 5.5 (APC/CY5.5)</td>
<td>100 tests</td>
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<td>0103-19</td>
<td>Allophycocyanin-Cyanine 7 (APC/CY7)</td>
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<tr>
<td>0103-26</td>
<td>Pacific Blue™ (PACBLU)</td>
<td>100 tests</td>
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<td>0103-27</td>
<td>Alexa Fluor® 700 (AF700)</td>
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<td>0103-30</td>
<td>Alexa Fluor® 488 (AF488)</td>
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<tr>
<td>0103-31</td>
<td>Alexa Fluor® 647 (AF647)</td>
<td>100 tests</td>
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</tbody>
</table>

Overview

Clone                  HOPC-1
Isotype                Mouse IgG2a\(^\lambda\)
Specificity            Unknown

Applications

- FC – Quality tested 6-12
- ELISA – Quality tested 1-5
- FLISA – Quality tested
- IHC-FS – Reported in literature 13,14
- IHC-PS 20
- ICC – Reported in literature 15,21
- WB – Reported in literature 17
- IP – Reported in literature 15,16

In vitro control – Reported in literature 7,8,17
In vivo control – Reported in literature 17,18

Working Dilutions

**Flow Cytometry**

- Purified (UNLB) antibody  \( \leq 1 \mu g/10^6 \) cells
- BIOT conjugate  \( \leq 1 \mu g/10^6 \) cells
- FITC, PE, PE/TXRD, APC, SPRD, CY5, PE/CY7, APC/CY5.5, APC/CY7, PACBLU, AF488, AF647, and AF700 conjugates  \( 10 \mu L/10^6 \) cells

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

**ELISA**

- Purified (UNLB) antibody  1 - 5 \( \mu g/mL \)
- AP and HRP conjugates  1:2,000 – 1:4,000

**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 1.0 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), Cyanine 5 (CY5), Alexa Fluor® 488 (AF488), Alexa Fluor® 647 (AF647), Alexa Fluor® 700 (AF700), and Pacific Blue™ (PACBLU) conjugates are supplied as 100 tests in 1.0 mL of PBS/NaN₃. 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 compared to preserved. 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/NaN₃. Store at 2-8°C.
- The R-phycocerythrin (PE) and allophycocyanin (APC) conjugates are supplied as 100 tests in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. Do not freeze!
- The Spectral Red® (SPRD), R-phycocerythrin-Texas Red® (PE/TXRD), R-phycocerythrin-Cyanine 7 (PE/CY7), allophycocyanin-Cyanine 5.5 (APC/CY5.5) and allophycocyanin-Cyanine 7 (APC/CY7) conjugates are supplied as 100 tests in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. Do not freeze!
- The low endotoxin, azide-free (LE/AF) antibody is supplied as 0.5 mg purified immunoglobulin in 1.0 mL of PBS. Aliquot and store at or below -20°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

20. SouthernBiotech published data (IHC-PS)