Human IgG₁κ Isotype Control

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Format</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>0151K-01</td>
<td>Purified (UNLB)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>0151K-04</td>
<td>Alkaline Phosphatase (AP)</td>
<td>1.0 mL</td>
</tr>
<tr>
<td>0151K-05</td>
<td>Horseradish Peroxidase (HRP)</td>
<td>1.0 mL</td>
</tr>
<tr>
<td>0151K-09</td>
<td>R-phycocerythrin (PE)</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>0151K-14</td>
<td>Low Endotoxin, Azide-Free (LE/AF)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>0151K-28</td>
<td>Biotin-maleimide (BIMA)</td>
<td>0.5 mg</td>
</tr>
</tbody>
</table>

**Description**

**Isotype**
Human IgG₁κ

**Source**
Human myeloma serum

**Applications**

Quality tested applications include –

<table>
<thead>
<tr>
<th>assay type</th>
<th>references</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELISA</td>
<td>1,2</td>
</tr>
<tr>
<td>FLISA</td>
<td></td>
</tr>
</tbody>
</table>

Other referenced applications include –

<table>
<thead>
<tr>
<th>assay type</th>
<th>references</th>
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<tbody>
<tr>
<td>FC</td>
<td>8,9</td>
</tr>
<tr>
<td>IP</td>
<td>3</td>
</tr>
<tr>
<td>In vitro control</td>
<td>4-6</td>
</tr>
<tr>
<td>In vivo control</td>
<td>1,7</td>
</tr>
<tr>
<td>Stim (Fc mediated)</td>
<td>10</td>
</tr>
<tr>
<td>Block</td>
<td>6</td>
</tr>
<tr>
<td>SPR</td>
<td>1</td>
</tr>
</tbody>
</table>

**Working Dilutions**

**ELISA**

- Purified (UNLB) antibody:
  - ≤ 2 μg/mL
- BIMA conjugate:
  - 1:5,000 – 1:20,000
- AP and HRP conjugates:
  - 1:500 – 1:2,000

**FLISA**

- PE conjugate:
  - ≤ 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.

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For Research Use Only.  Not for Diagnostic or Therapeutic Use.

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Email: info@southernbiotech.com  •  Website: www.southernbiotech.com
**Handling and Storage**

- The purified (UNLB) IgG 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 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 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 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 (BIMA) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 0.1 mg 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.
- If turbidity occurs, clarify the solution by centrifugation prior to use.

**Warning**

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

**References**


In accordance with current Good Manufacturing and Good Laboratory Practices (cGMP/cGLP), any protein of human blood origin should be handled pursuant to your organization’s documented safety procedures and as if it is capable of transmitting infection. This product has **NOT** been tested for viral, bacterial, or other infectious agents such as, but not limited to, HIV, HbsAg, and HCV.