Human IgG\textsubscript{1\kappa} 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>
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<tr>
<td>0151K-05</td>
<td>Horseradish Peroxidase (HRP)</td>
<td>1.0 mL</td>
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<tr>
<td>0151K-09</td>
<td>R-phyceroerythin (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>
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</tbody>
</table>

ELISA plate was coated with serially diluted Human IgG\textsubscript{1\kappa} Kappa-UNLB (SB Cat. No. 0151K-01). Immunoglobulin was detected with Mouse Anti-Human IgG\textsubscript{1} Hinge-BIOT (SB Cat. No. 9052-08), Mouse Anti-Human IgG\textsubscript{2} Fc-BIOT (SB Cat. No. 9060-08), Mouse Anti-Human IgG\textsubscript{3} Hinge-BIOT (SB Cat. No. 9210-08), Mouse Anti-Human IgG\textsubscript{4} pFc'-BIOT (SB Cat. No. 9190-08), Mouse Anti-Human IgA\textsubscript{1}-BIOT (SB Cat. No. 9130-08), Mouse Anti-Human IgA\textsubscript{2}-BIOT (SB Cat. No. 9140-08), Mouse Anti-Human IgD-BIOT (SB Cat. No. 9030-08), Mouse Anti-Human IgE Fc-BIOT (SB Cat. No. 9160-08), Mouse Anti-Human IgM-BIOT (SB Cat. No. 9020-08), Mouse Anti-Human Lambda-BIOT (SB Cat. No. 9230-08), and Mouse Anti-Human Lambda-BIOT (SB Cat. No. 9180-08) followed by Streptavidin-HRP (SB Cat. No. 7100-05) and quantified.

Description

<table>
<thead>
<tr>
<th>Isotype</th>
<th>Human IgG\textsubscript{1\kappa}</th>
</tr>
</thead>
<tbody>
<tr>
<td>Source</td>
<td>Human myeloma serum</td>
</tr>
</tbody>
</table>

Applications

Quality tested applications include –
- ELISA \cite{1,2}
- FLISA

Other referenced applications include –
- FC \cite{8,9}
- IP \cite{3}
- In vitro control \cite{4-6}
- In vivo control \cite{1,7}
- Stim (Fc mediated) \cite{10}
- Block \cite{6}
- SPR \cite{1}

Working Dilutions

**ELISA**
- Purified (UNLB) antibody \( \leq 2 \mu g/mL \)
- BIMA conjugate \( 1:5,000 – 1:20,000 \)
- AP and HRP conjugates \( 1:500 – 1:2,000 \)

**FLISA**
- PE conjugate \( \leq 1 \mu g/mL \)

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

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