Goat Anti-Mouse Kappa

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Format</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>1050-01</td>
<td>Purified (UNLB)</td>
<td>1.0 mg</td>
</tr>
<tr>
<td>1050-02</td>
<td>Fluorescein (FITC)</td>
<td>1.0 mg</td>
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<tr>
<td>1050-03</td>
<td>Rhodamine (TRITC)</td>
<td>1.0 mg</td>
</tr>
<tr>
<td>1050-04</td>
<td>Alkaline Phosphatase (AP)</td>
<td>1.0 mL</td>
</tr>
<tr>
<td>1050-05</td>
<td>Horseradish Peroxidase (HRP)</td>
<td>1.0 mL</td>
</tr>
<tr>
<td>1050-07</td>
<td>Texas Red ™ (TXRD)</td>
<td>1.0 mg</td>
</tr>
<tr>
<td>1050-08</td>
<td>Biotin (BIOT)</td>
<td>1.0 mg</td>
</tr>
<tr>
<td>1050-09</td>
<td>R-phycoerythrin (PE)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>1050-31</td>
<td>Alexa Fluor® 647 (AF647)</td>
<td>1.0 mg</td>
</tr>
<tr>
<td>1050-32</td>
<td>Alexa Fluor® 555 (AF555)</td>
<td>1.0 mg</td>
</tr>
</tbody>
</table>

**Description**

- **Specificity**: Reacts with mouse κ light chains
- **Source**: Pooled antisera from goats hyperimmunized with mouse κ light chains
- **Cross Adsorption**: Mouse λ light chains; may react with κ light chains from other species
- **Purification**: Affinity chromatography on mouse κ light chains covalently linked to agarose

**Applications**

- Quality tested applications include –
  - ELISA 1-11
  - FLISA 3,8,12,15,16,26
  - FC

- Other referenced applications include –
  - ELISPOT 2,7,12-14
  - IHC-FS 17
  - IHC-PS 18,19
  - ICC 5,20-22
  - WB 1,4,6,8,9,15,26
  - IP 23,24
  - Stim 25,26
  - SPR 27

**Working Dilutions**

- **ELISA**
  - AP conjugate: 1:2,000 – 1:4,000
  - HRP conjugate: 1:2,000 – 1:8,000
  - BIOT conjugate: 1:5,000 – 1:20,000

- **FLISA**
  - FITC, TRITC, TXRD, and AF555 conjugates: 1:100 – 1:400
  - PE and AF647 conjugates: ≤ 1 μg/mL

- **Flow Cytometry**
  - FITC and BIOT conjugates: ≤ 1 μg/10^6 cells
  - PE and AF647 conjugates: ≤ 0.1 μg/10^6 cells

  For flow cytometry, the suggested use of these reagents is in a final volume of 100 μL

- **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) antibody is supplied as 1.0 mg 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), rhodamine (TRITC), and Texas Red® (TXRD) conjugates are supplied as 1.0 mg in 1.0 mL of PBS/Na3.  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 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 1.0 mg in 2.0 mL of PBS/Na3.  Store at 2-8°C.
- The R-phycocerythrin (PE) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/Na3 and a stabilizing agent.  Store at 2-8°C.  Do not freeze!
- The Alexa Fluor® 555 (AF555) and Alexa Fluor® 647 (AF647) conjugates are supplied as 1.0 mg in 1.0 mL of PBS/Na3.  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

7. Skowronek MH, Hendershot LM, Haas IG. The variable domain of nonassembled Ig light chains determines both their half-life and binding to the chaperone BiP. Proc Natl Acad Sci USA. 2007;104:9914-19. (ELISA, FC)
13. Rakhmanov M. Analysis of B lymphocyte activation and differentiation by expression profiling [dissertation]. Freiburg (Germany); University of Freiburg: 2005. (FC, WB)
15. Skowronek MH, Hendershot LM, Haas IG. The variable domain of nonassembled Ig light chains determines both their half-life and binding to the chaperone BiP. Proc Natl Acad Sci USA. 2007;104:9914-19. (ELISA, FC)

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