Goat Anti-Human IgG Fc

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Format</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>2048-01</td>
<td>Purified (UNLB)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>2048-02</td>
<td>Fluorescein (FITC)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>2048-04</td>
<td>Alkaline Phosphatase (AP)</td>
<td>1.0 mL</td>
</tr>
<tr>
<td>2048-05</td>
<td>Horseradish Peroxidase (HRP)</td>
<td>1.0 mL</td>
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<tr>
<td>2048-08</td>
<td>Biotin (BIOT)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>2048-09</td>
<td>R-phycoerythrin (PE)</td>
<td>0.25 mg</td>
</tr>
<tr>
<td>2048-30</td>
<td>Alexa Fluor® 488 (AF488)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>2048-31</td>
<td>Alexa Fluor® 647 (AF647)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>2048-32</td>
<td>Alexa Fluor® 555 (AF555)</td>
<td>0.5 mg</td>
</tr>
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<td>2048-32</td>
<td>Alexa Fluor® 555 (AF555)</td>
<td>0.5 mg</td>
</tr>
</tbody>
</table>

**Description**

**Specificity**
Reacts with the Fc region of human IgG

**Source**
Pooled antisera from goats hyperimmunized with human IgG

**Cross Adsorption**
Human IgG Fab, IgM, and IgA; may react with IgG from other species

**Purification**
Affinity chromatography on human IgG Fc covalently linked to agarose

**Applications**

Quality tested applications include –
ELISA
FLISA

Other referenced applications include –
WB
SPR

**Working Dilutions**

**ELISA**
- Purified (UNLB) antibody
- AP conjugate
  - ≤ 1 µg/mL
- HRP conjugate
  - 1:2,000 – 1:4,000
- BIOT conjugate
  - 1:5,000 – 1:10,000

**FLISA**
- FITC, AF488, and AF555 conjugates
  - 1:100 – 1:400
- PE and AF647 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.
Handling and Storage

- The purified (UNLB) antibody is supplied as 0.5 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), Alexa Fluor® 488 (AF488), Alexa Fluor® 555 (AF555), and Alexa Fluor® 647 (AF647) conjugates are supplied as 0.5 mg 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 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 (BIOT) 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 0.25 mg in 0.5 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. Do not freeze!
- 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

3. Djoumerska-Alexieva IK, Dimitrov JD, Voynova EN, Lacroix-Desmazes S, Kaveri SV, Vassilev TL. Exposure of IgG to an acidic environment results in molecular modifications and in enhanced protective activity in sepsis. FEBS J. 2010;277:3039-50. (WB)

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