Goat Anti-Mouse IgG(H+L), Rat ads

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Format</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>1034-01</td>
<td>Purified (UNLB)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>1034-02</td>
<td>Fluorescein (FITC)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>1034-03</td>
<td>Rhodamine (TRITC)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>1034-04</td>
<td>Alkaline Phosphatase (AP)</td>
<td>1.0 mL</td>
</tr>
<tr>
<td>1034-05</td>
<td>Horseradish Peroxidase (HRP)</td>
<td>1.0 mL</td>
</tr>
<tr>
<td>1034-07</td>
<td>Texas Red™ (TXRD)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>1034-08</td>
<td>Biotin (BIOT)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>1034-09</td>
<td>R-phycoerythrin (PE)</td>
<td>0.25 mg</td>
</tr>
<tr>
<td>1034-32</td>
<td>Alexa Fluor® 555 (AF555)</td>
<td>0.5 mg</td>
</tr>
</tbody>
</table>

**Description**

**Specificity**
Reacts with the heavy and light chains of mouse IgG1, IgG2a, IgG2b, IgG2c, and IgG3 and with the light chains of mouse IgM and IgA

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

**Cross Adsorption**
Rat immunoglobulins and pooled sera; may react with immunoglobulins from other species

**Purification**
Affinity chromatography on mouse IgG covalently linked to agarose

**Applications**

Quality tested applications include –
ELISA 1,2
FLISA
FC 3

Other referenced applications include –
WB 4,6
ICC 7

**Working Dilutions**

<table>
<thead>
<tr>
<th>Method</th>
<th>AP conjugate</th>
<th>HRP conjugate</th>
<th>BIOT conjugate</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELISA</td>
<td>1:2,000 – 1:4,000</td>
<td>1:4,000 – 1:8,000</td>
<td>1:5,000 – 1:20,000</td>
</tr>
</tbody>
</table>

**Flow Cytometry**

<table>
<thead>
<tr>
<th>Method</th>
<th>FITC and BIOT conjugates</th>
<th>PE conjugate</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1:100 – 1:400</td>
<td>≤ 1 µg/mL</td>
</tr>
</tbody>
</table>

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.

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Human pancreatic carcinoma cell line MIA PaCa-2 was stained with Mouse Anti-Cytokeratin 18-UNLB (SB Cat. No. 10085-01; right) followed by Goat Anti-Mouse IgG(H+L), Rat ads-TXRD (SB Cat. No. 1034-07) and DAPI.
Handling and Storage

- The purified (UNLB) antibody 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.**
- The fluorescein (FITC), rhodamine (TRITC), and Texas Red® (TXRD) 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 of stock solution in 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 of stock solution in 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 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Alexa Fluor® 555 (AF555) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN₃. 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 (M)SDS.

References

1. van Olffen RW. Modulating T cell homeostasis via TNF and TNFR superfamily members: characterization and function of effector & regulatory T cells [dissertation]. Amsterdam (Netherlands): University of Amsterdam, 2009. (ELISA)
2. Shichkin VP. Immune response of IL-4-knockout mice to low-dose immunization with autologous IL-4. WebmedCentral IMMUNOLOGY. 2011;2(12):WMC002553. (ELISA)
7. SouthernBiotech published data (ICC)

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