Goat Anti-Human IgD

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Format</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>2030-01</td>
<td>Purified (UNLB)</td>
<td>1.0 mg</td>
</tr>
<tr>
<td>2030-02</td>
<td>Fluorescein (FITC)</td>
<td>1.0 mg</td>
</tr>
<tr>
<td>2030-03</td>
<td>Rhodamine (TRITC)</td>
<td>1.0 mg</td>
</tr>
<tr>
<td>2030-04</td>
<td>Alkaline Phosphatase (AP)</td>
<td>1.0 mL</td>
</tr>
<tr>
<td>2030-05</td>
<td>Horseradish Peroxidase (HRP)</td>
<td>1.0 mL</td>
</tr>
<tr>
<td>2030-07</td>
<td>Texas Red® (TXRD)</td>
<td>1.0 mg</td>
</tr>
<tr>
<td>2030-08</td>
<td>Biotin (BIOT)</td>
<td>1.0 mg</td>
</tr>
<tr>
<td>2030-09</td>
<td>R-phycoerythrin (PE)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>2030-30</td>
<td>Alexa Fluor 488® (AF488)</td>
<td>1.0 mg</td>
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<tr>
<td>2030-31</td>
<td>Alexa Fluor 647® (AF647)</td>
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<tr>
<td>2030-32</td>
<td>Alexa Fluor 555® (AF555)</td>
<td>1.0 mg</td>
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</tbody>
</table>

Description

Specificity: Reacts with the heavy chain of human IgD
Source: Pooled antisera from goats hyperimmunized with human IgD
Cross Adsorption: Human IgG, IgM, and IgA; may react with IgD from other species
Purification: Affinity chromatography on human IgD covalently linked to agarose

Applications

Quality tested applications include –
ELISA
FLISA
FC

Other referenced applications include –
IHC-FS
IHC-PS
Sep

Working Dilutions

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

FLISA
- FITC, TRITC, TXRD, AF488, and AF555 conjugates: 1:100 – 1:400
- PE and AF647 conjugates: ≤ 1 μg/mL

Flow Cytometry
- FITC, BIOT, and AF488 conjugates: ≤ 1 μg/10⁶ cells
- PE and AF647 conjugates: ≤ 0.1 μg/10⁶ 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.
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), Texas Red® (TXRD), Alexa Fluor® 488 (AF488), Alexa Fluor® 555 (AF555), and Alexa Fluor® 647 (AF647) conjugates are supplied as 1.0 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 1.0 mg in 2.0 mL of PBS/NaN3. Store at 2-8°C.
- The R-phycocerythrin (PE) conjugate is supplied as 0.5 mg in 1.0 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 (M)SDS.

References

5. Mongini PK, Blessinger C, Possnet DN, Rudich SM. Membrane IgD and membrane IgM differ in capacity to transduce inhibitory signals within the same human B cell clonal populations. J Immunol. 1989;143:1565-74. (FC)
8. van der Loo JC, Hanenberg H, Cooper RJ, Luo F, Lazarienis E, Williams DA. Nonobese diabetic/severe combined immunodeficiency (NOD/SCID) mouse as a model system to study the engraftment and mobilization of human peripheral blood stem cells. Blood. 1998;92:2556-70. (FC)
12. Dryer RL, Covey LR. Use of chromatim immunoprecipitation (ChIP) to detect transcription factor binding to highly homologous promoters in chromatin isolated from unstimulated and activated primary human B cells. Bioll Process Online. 2006;8:44-54. (FC)
19. SouthernBiotech unpublished data

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