Hamster Anti-Mouse CD3ε

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Format</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>1531-01</td>
<td>Purified (UNLB)</td>
<td>0.5 mg</td>
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<tr>
<td>1531-02</td>
<td>Fluorescein (FITC)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>1531-08</td>
<td>Biotin (BIOT)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>1531-09</td>
<td>R-phycocerythrin (PE)</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>1531-11</td>
<td>Allophycocyanin (APC)</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>1531-13</td>
<td>Spectral Red® (SPRD)</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>1531-14</td>
<td>Low Endotoxin, Azide-Free (LE/AF)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>1531-15</td>
<td>Cyanine 5 (CY5)</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>1531-18</td>
<td>Allophycocyanin-Cyanine 5.5 (APC/CY5.5)</td>
<td>0.1 mg</td>
</tr>
</tbody>
</table>

Overview

Clone          500-A2
Isotype        Hamster (Syrian) IgG₂
Immunogen      Immune complexes isolated from C6VL-BS thymoma cells
Specificity    Mouse CD3ε; Mr 25 kDa
Alternate Name(s) CD3 epsilon

Description

CD3ε, a member of the immunoglobulin superfamily of cell surface receptors, is comprised of five invariable chains ranging in size from 16-28 kDa and is closely associated with the T cell antigen receptor (TCR). CD3ε is expressed on all T cells of all mouse strains. CD3 plays a major role in signaling during antigen recognition, leading to T-cell activation. 500-A2 recognizes an epitope on the 25 kDa ε chain of the CD3/TCR complex of mouse strains tested.

Applications

FC – Quality tested ¹
IHC-FS – Reported in literature ³
IP – Reported in literature ¹
Activ – Reported in literature ¹,²,⁴

Working Dilutions

Flow Cytometry
- FITC conjugate ≤ 3 µg/10⁶ cells
- Biotin conjugate ≤ 1 µg/10⁶ cells
- PE, APC, and APC/CY5.5 conjugates ≤ 0.3 µg/10⁶ cells
- SPRD and CY5 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.

For Research Use Only. Not for Diagnostic or Therapeutic Use.
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. Store at 2-8°C.
- The fluorescein (FITC) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°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) and allophycocyanin (APC) conjugates are 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 Spectral Red® (SPRD) and allophycocyanin-Cyanine 5.5 (APC/CY5.5) conjugates are 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 of purified immunoglobulin in 1.0 mL of PBS. Aliquot and store at or below -20°C.
- The Cyanine 5 (CY5) conjugate is supplied as 0.1 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


Spectral Red® is a registered trademark of Southern Biotechnology Associates, Inc.
Spectral Red® is a PE/CY5 tandem conjugate.
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