Mouse Anti-Human ZAP-70

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Format</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>10650-01S</td>
<td>Purified (UNLB)</td>
<td>0.025 mg</td>
</tr>
<tr>
<td>10650-01L</td>
<td>Purified (UNLB)</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>10650-02S</td>
<td>Fluorescein (FITC)</td>
<td>0.025 mg</td>
</tr>
<tr>
<td>10650-02L</td>
<td>Fluorescein (FITC)</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>10650-04</td>
<td>Alkaline phosphatase (AP)</td>
<td>1.0 mL</td>
</tr>
<tr>
<td>10650-05</td>
<td>Horseradish peroxidase (HRP)</td>
<td>1.0 mL</td>
</tr>
<tr>
<td>10650-08S</td>
<td>Biotin (BIOT)</td>
<td>0.025 mg</td>
</tr>
<tr>
<td>10650-08L</td>
<td>Biotin (BIOT)</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>10650-09S</td>
<td>R-phycoerythrin (PE)</td>
<td>0.025 mg</td>
</tr>
<tr>
<td>10650-09L</td>
<td>R-phycoerythrin (PE)</td>
<td>0.1 mg</td>
</tr>
</tbody>
</table>

Overview

Clone: SBZAP  
Isotype: Mouse (BALB/c) IgG\(\kappa\)  
Immunogen: Human ZAP-70 (a.a. 280-309)  
Specificity: Human ZAP-70  
Alternate Name(s): Tyrosine-protein kinase ZAP-70, zeta-chain-associated protein kinase 70, Syk-related tyrosine kinase

Description

ZAP-70 is a protein tyrosine kinase (PTK) with the primary role of catalyzing the phosphorylation of tyrosine residues in cellular proteins, and thus, contributes significantly to the initiation of cell signaling. ZAP-70 is normally expressed on T cell and NK cells.

Applications

FC – Quality tested 1-20  
ELISA – Quality tested

Working Dilutions

Flow Cytometry  
Purified (UNLB) antibody \(\leq 1 \mu g/10^6\) cells  
FITC and BIOT conjugates \(\leq 1 \mu g/10^6\) cells  
PE conjugate \(\leq 0.2 \mu g/10^6\) cells

For flow cytometry, the suggested use of these reagents is in a final volume of 100 \(\mu L\)

ELISA  
AP conjugate 1:500 – 1:1,000  
HRP conjugate 1:1,000 – 1:2,000

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 0.025 mg purified immunoglobulin in 0.25 mL or 0.1 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) conjugate is supplied as 0.025 mg in 0.25 mL or 0.1 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 0.025 mg in 0.25 mL or 0.1 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 0.025 mg in 0.25 mL or 0.1 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