Mouse Anti-Mouse Ly-49I

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Format</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>1802-01</td>
<td>Purified (UNLB)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>1802-02</td>
<td>Fluorescein (FITC)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>1802-08</td>
<td>Biotin (BIOT)</td>
<td>0.5 mg</td>
</tr>
<tr>
<td>1802-09</td>
<td>R-phycoerythrin (PE)</td>
<td>0.1 mg</td>
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</tbody>
</table>

Overview

Clone: YLI-90
Isotype: Mouse (BALB/c) IgG1κ
Immunogen: CHO-K1 cells transfected with B6 allele of Ly49I gene
Specificity: Mouse Ly-49I
Alternate Name(s): Ly-49

Description

The monoclonal antibody YLI-90 reacts with the B6 allele of Ly49I, a member of the lectin-like homodimeric Ly49 family of cell surface receptors. Mouse Ly49 receptors exhibit allelic specificity for MHC class I la molecules and are thought to serve to prevent natural killer (NK) cells from attacking normal cells while allowing them to attack infected or transformed cells in which class I molecules have been down-regulated. These inhibitory receptors are also expressed on subpopulations of mouse CD8⁺ T cells. The YLI-90 antibody stains ~45% of NK1.1⁺CD3⁻ splenocytes from C57BL/6 mice.

Applications

Flow Cytometry: Quality tested

Working Dilutions

Flow Cytometry:
- Purified (UNLB) antibody ≤ 1 μg/10⁶ cells
- FITC and BIOT conjugates ≤ 1 μg/10⁶ cells
- PE conjugate ≤ 0.2 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 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) conjugate is supplied as 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 SDS.

References


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