**Anti Mouse CD5 (Ly-1) Monoclonal Antibody**

<table>
<thead>
<tr>
<th>Catalogue#</th>
<th>Format</th>
<th>Size</th>
<th>Concentration</th>
<th>Isotype Control</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL8964AP</td>
<td>Purified</td>
<td>250µg</td>
<td>1.0 mg/ml</td>
<td>CLCR2B00</td>
</tr>
<tr>
<td>CL8964B</td>
<td>Biotin</td>
<td>100µg</td>
<td>0.1 mg/ml</td>
<td>CLCR2B15</td>
</tr>
<tr>
<td>CL8964F</td>
<td>FITC</td>
<td>100µg</td>
<td>0.1 mg/ml</td>
<td>CLCR2B01</td>
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<tr>
<td>CL8964PE</td>
<td>PE</td>
<td>50µg</td>
<td>0.1 mg/ml</td>
<td>CLCR2B04</td>
</tr>
</tbody>
</table>

**Ig Class:** Rat IgG2b

**DESCRIPTION:**
Cedarlane's anti-mouse CD5 (Ly-1) Monoclonal Antibody is specific for the mouse CD5 antigen. This transmembrane glycoprotein is a T-cell associated marker that is also expressed by two B-cell neoplasms, lymphocytic leukemia and mantle cell lymphoma. CD5 is expressed on all T cells early in development, a subset of B cells described as B1a B cells, 95% of thymocytes and 72% of peripheral blood lymphocytes. CD5 has a molecular weight of 67KDa and belongs to the cysteine-rich macrophage scavenger receptor family of proteins.

The CD5 receptor is physically associated with the antigen receptor complex in both T and B cells and modulates intracellular signals initiated by both TCR and BCR. CD5 is also a counter receptor for CD72.

This antibody is suitable for use in flow cytometry.

**PRESENTATION:**

**Purified:** Purified IgG buffered in PBS and 0.02% NaN₃. (Purified from ascitic fluid via Protein G Chromatography). For maximal recovery of contents, please quick-spin vial before opening.

**Biotin, FITC and PE:** Biotin/FITC/PE conjugated IgG buffered in PBS, 0.02% NaN₃ and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml.

**STORAGE/STABILITY:**

For all formats, store at 4°C. DO NOT FREEZE PE conjugates. For long term storage (Purified, Biotin and FITC), aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

*Continued Overleaf:.....*
**SPECIFICATIONS:**

Clone: YTS 121.5.2  
Immunogen: CBA Mouse thymocytes  
Specificity: Mouse CD5 transmembrane glycoprotein

**TEST RESULTS:**

Tissue Distribution by Flow Cytometry Analysis:

<table>
<thead>
<tr>
<th>Cell Source</th>
<th>Percentage of cell stained above control:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thymus</td>
<td>75.4%</td>
</tr>
<tr>
<td>Spleen</td>
<td>13.7%</td>
</tr>
<tr>
<td>Lymph Node</td>
<td>46.0%</td>
</tr>
</tbody>
</table>

N.B. Appropriate control samples should always be included in any labeling studies.

* For optimal results in various applications, it is recommended that each investigator determine dilutions appropriate for individual use.

**REFERENCES:**


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