### Anti-Mouse CD90 (Thy1)
#### 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>CL8610AP</td>
<td>Purified</td>
<td>250 μg</td>
<td>1.0 mg/ml</td>
<td>CLCR100</td>
</tr>
<tr>
<td>CL8610B</td>
<td>Biotin</td>
<td>100 μg</td>
<td>0.1 mg/ml</td>
<td>CLCR115</td>
</tr>
<tr>
<td>CL8610B-3</td>
<td>Biotin</td>
<td>300 μg</td>
<td>0.1 mg/ml</td>
<td>CLCR115</td>
</tr>
<tr>
<td>CL8610F</td>
<td>FITC</td>
<td>100 μg</td>
<td>0.1 mg/ml</td>
<td>CLCR101</td>
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<tr>
<td>CL8610F-3</td>
<td>FITC</td>
<td>300 μg</td>
<td>0.1 mg/ml</td>
<td>CLCR101</td>
</tr>
<tr>
<td>CL8610PE</td>
<td>PE</td>
<td>50 μg</td>
<td>0.1 mg/ml</td>
<td>CLCR104</td>
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<tr>
<td>CL8610PE-3</td>
<td>PE</td>
<td>300 μg</td>
<td>0.1 mg/ml</td>
<td>CLCR104</td>
</tr>
</tbody>
</table>

**Isotype:** Rat IgG<sub>1,k</sub>

**DESCRIPTION:**

Cedarlane’s anti-mouse CD90 (Thy 1) monoclonal antibody recognizes the Thy 1 antigen which is a GPI-linked glycoprotein member of the Ig-superfamily. Thy 1, also known as CD90, is expressed on murine T cells, thymocytes, neural cells, Kupffer’s cells and fibroblasts. This monoclonal antibody has been shown to deplete peripheral T cells upon *in vivo* administration.

Applications for this antibody include immunohistochemistry (acetone-fixed frozen sections), flow cytometry and immunoprecipitation.

**PRESENTATION:**

*Purified:* Purified Ig buffered in PBS and 0.02% NaN<sub>3</sub>. Purified from ascitic fluid via Protein G Chromatography).

For maximum recovery of contents, spin down tube before use.

*Biotin, FITC and PE:* Biotin/FITC/PE conjugated IgG buffered in PBS, 0.02% NaN<sub>3</sub> 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, FITC*), aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.
SPECIFICATIONS:
Clone: IBL-1
Hybridoma Production:
  Immunization: Immunogen: Mouse spleen cells
  Donor: Rat (Wistar)
  Fusion Partner: Sp-2/0 Ag14
Specificity: Mouse CD90 (Thy 1)

TEST RESULTS:
Tissue Distribution by Flow Cytometry Analysis:
Mouse Strain: BALB/c
Cell Concentration: 1 x 10^6 cells per test
Antibody Concentration Used: 0.05 µg/10^6 cells

![Graph showing flow cytometry analysis]

Cell Source: Thymus
Percentage of cells stained above control: 99.7%

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: