Anti-Mouse CD200 (OX2)
Monoclonal Antibody

<table>
<thead>
<tr>
<th>Catalogue#</th>
<th>Format</th>
<th>Size</th>
<th>Concentration</th>
<th>Isotype Control</th>
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</thead>
<tbody>
<tr>
<td>CL8995AP</td>
<td>Purified</td>
<td>250µg</td>
<td>1.0 mg/ml</td>
<td>CLCR2A00</td>
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<tr>
<td>CL8995B</td>
<td>Biotin</td>
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<td>0.1 mg/ml</td>
<td>CLCR2A15</td>
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<td>FITC</td>
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<td>0.1 mg/ml</td>
<td>CLCR2A01</td>
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<td>CLCR2A04</td>
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<td>CL8995AF4</td>
<td>Alexa Fluor®488</td>
<td>100 µg</td>
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</tbody>
</table>

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Isotype: Rat IgG2a

DESCRIPTION:

Cedarlane's anti-mouse CD200 monoclonal antibody reacts with CD200 (OX2), a highly conserved type I membrane glycoprotein that is expressed on a variety of cell types including thymocytes, some T cells, endothelial and follicular dendritic cells, and brain tissue (neurons). CD200 consists of 2 immunoglobulin (Ig) domains, a C-terminus transmembrane domain and a small cytoplasmic domain (19 aa) which lacks signaling motifs.

CD200 is the ligand for CD200 receptor (CD200R), which is very similar in structure to CD200 except that it has a larger cytoplasmic domain (67 aa), and its expression is restricted to myeloid-derived antigen presenting cells (APC’s) and certain populations of T cells. Blocking of CD200/CD200R interactions decreases myeloid cell inhibitory thresholds which results in enhanced immune activation.

This clone is suitable for use in flow cytometry, immunohistochemistry (frozen sections) and ELISA.

PRESENTATION:

Purified: Purified IgG buffered in PBS and 0.02% NaN₃. (Purified from ascitic fluid via Protein G Chromatography). For maximum recovery of contents, spin down tube before use. Biotin, FITC, PE and AF488: Biotin/FITC/PE/AF488 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 and AF488 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.
**SPECIFICATIONS:**

**Clone:** OX-90

**Hybridoma Production:**

- **Immunization:** Immunogen: mouse CD200-rat CD4 fusion protein  
  Donor: Rat spleen  
- **Fusion Partner:** Y3 myeloma  

**Specificity:** Mouse CD200 (OX2)

**TEST RESULTS:**

**Mouse Strain:** Balb/c  
**Cell Concentration:** 1x10^6 cells per test

![Cell Source: Mouse spleen stained with CD200 (CL8995AP-PE) and CD3 (CL7202F)](image)

**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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