### Datasheet: MCA2281FT

<table>
<thead>
<tr>
<th><strong>Description:</strong></th>
<th>RAT ANTI MOUSE CD200R:FITC</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Specificity:</strong></td>
<td>CD200R</td>
</tr>
<tr>
<td><strong>Other names:</strong></td>
<td>OX2R</td>
</tr>
<tr>
<td><strong>Format:</strong></td>
<td>FITC</td>
</tr>
<tr>
<td><strong>Product Type:</strong></td>
<td>Monoclonal Antibody</td>
</tr>
<tr>
<td><strong>Clone:</strong></td>
<td>OX-110</td>
</tr>
<tr>
<td><strong>Isotype:</strong></td>
<td>IgG2a</td>
</tr>
<tr>
<td><strong>Quantity:</strong></td>
<td>25 µg</td>
</tr>
</tbody>
</table>

### Product Details

**RRID**
AB_2074090

**Applications**
This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
<td></td>
<td></td>
<td></td>
<td>1/10</td>
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</tbody>
</table>

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

**Target Species**
Mouse

**Product Form**
Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

**Max Ex/Em**

<table>
<thead>
<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
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</thead>
<tbody>
<tr>
<td>FITC</td>
<td>490</td>
<td>525</td>
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</tbody>
</table>

**Preparation**
Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

**Buffer Solution**
Phosphate buffered saline

**Preservative Stabilisers**
0.09% Sodium Azide
1% Bovine Serum Albumin

**Approx. Protein Concentrations**
IgG concentration 0.1 mg/ml

**Immunogen**
Fusion protein mCD200RCD4d3+4

**External Database Links**
UniProt:
**Entrez Gene:**

<table>
<thead>
<tr>
<th>Gene Symbol</th>
<th>Description</th>
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<tbody>
<tr>
<td>57781</td>
<td>Cd200r1</td>
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</tbody>
</table>

**Related reagents**

- **Synonyms:** Mox2r, Ox2r

**Specificity**

Rat anti Mouse CD200R antibody, clone OX-110 recognizes mouse CD200R, a cell surface glycoprotein (also known as OX2R). Mouse CD200R is a 326 amino acid, ~48 kDa single pass type I transmembrane glycoprotein, expressed primarily by peripheral blood monocytes and neutrophils but also by other leucocytes including T-lymphocytes and mast cells (Wright et al. 2003). Studies suggest that CD200-CD200R interaction may be involved in the control of myeloid cellular function (Minas and Liversidge 2006).

Rat anti Mouse CD200R antibody, clone OX-110 has been used successfully for the immunohistochemical detection of CD200R expressing cells on acetone fixed cryosections of murine synovial tissue (Simelyte et al. 2008).

**Flow Cytometry**

Use 10ul of the suggested working dilution to label $10^6$ cells in 100ul.

The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors. This may be reduced by using SeroBlock FcR (BUF041A/B).

**References**


**Storage**

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

**Shelf Life**

18 months from date of despatch.

**Health And Safety Information**


**Regulatory**

For research purposes only

**Related Products**

**Recommended Negative Controls**

RAT IgG2a NEGATIVE CONTROL:FITC (MCA1212F)

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