Datasheet: MCA2281EL

<table>
<thead>
<tr>
<th>Description:</th>
<th>RAT ANTI MOUSE CD200R:Low Endotoxin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specificity:</td>
<td>CD200R</td>
</tr>
<tr>
<td>Other names:</td>
<td>OX2R</td>
</tr>
<tr>
<td>Format:</td>
<td>Low Endotoxin</td>
</tr>
<tr>
<td>Product Type:</td>
<td>Monoclonal Antibody</td>
</tr>
<tr>
<td>Clone:</td>
<td>OX-110</td>
</tr>
<tr>
<td>Isotype:</td>
<td>IgG2a</td>
</tr>
<tr>
<td>Quantity:</td>
<td>0.5 mg</td>
</tr>
</tbody>
</table>

Product Details

**RRID**
AB_566621

**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>Application</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>1/25 - 1/50</td>
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<tr>
<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin</td>
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<td>ELISA</td>
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<td>Immunoprecipitation</td>
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<td>Western Blotting</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 - liquid

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

**Buffer Solution**
Phosphate buffered saline

**Preservative Stabilisers**
None Present

**Carrier Free**
Yes

**Endotoxin Level**
<0.01EU/ug

**Approx. Protein**
IgG concentration 1.0 mg/ml
Concentrations

Immunogen
Fusion protein mCD200RCD4d3+4

External Database Links
UniProt: Q9ES57 Related reagents
Entrez Gene: 57781 Cd200r1 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

References

**Storage**

Store at -20°C only.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. 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**

Material Safety Datasheet documentation #10162 available at:


**Regulatory**

For research purposes only

**Related Products**

**Recommended Secondary Antibodies**

- Rabbit Anti Rat IgG (STAR17...) *FITC*
- Goat Anti Rat IgG (STAR69...) *FITC*
- Goat Anti Rat IgG (STAR131...) *Alk. Phos., Biotin*
- Goat Anti Rat IgG (STAR73...) *RPE*
- Rabbit Anti Rat IgG (STAR21...) *HRP*
- Goat Anti Rat IgG (STAR72...) *HRP*
- Rabbit Anti Rat IgG (STAR16...) *DyLight®800*
- Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...) *DyLight®649, DyLight®800*

**Recommended Negative Controls**

**RAT IgG2a NEGATIVE CONTROL: Low Endotoxin (MCA1212EL)**

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