Datasheet: MCA2281FB

Description: RAT ANTI MOUSE CD200R:FITC

Specificity: CD200R

Other names: OX2R

Format: FITC

Product Type: Monoclonal Antibody

Clone: OX-110

Isotype: IgG2a

Quantity: 0.5 mg

Product Details

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.

<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 - 1/20</td>
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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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<tbody>
<tr>
<td>FITC</td>
<td>490</td>
<td>525</td>
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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 0.5 mg/ml

Immunogen

Fusion protein mCD200RCD4d3+4

External Database Links

UniProt: Q9ES57
Related reagents
**Entrez Gene:**

<table>
<thead>
<tr>
<th>Gene ID</th>
<th>Symbol</th>
<th>Related reagents</th>
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<tbody>
<tr>
<td>57781</td>
<td>Cd200r</td>
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</tbody>
</table>

**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. Studies suggest that CD200-CD200R interaction may be involved in the control of myeloid cellular function (Wright et al. 2003).

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 (BUF041AB).

**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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