Datasheet: MCA2281GA

**Description:** RAT ANTI MOUSE CD200R

**Specificity:** CD200R

**Other names:** OX2R

**Format:** Purified

**Product Type:** Monoclonal Antibody

**Clone:** OX-110

**Isotype:** IgG2a

**Quantity:** 0.1 mg

**RRID** AB_566623

**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).

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<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<td>Flow Cytometry</td>
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<td>Immunohistology - Frozen</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 - liquid

**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

**Carrier Free** Yes

**Approx. Protein Concentrations** IgG concentration 1.0 mg/ml
Immunogen: Fusion protein mCD200RCD4d3+4

**External Database Links**
- UniProt: Q9ES57
- Entrez Gene: 57781

**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 leukocytes 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 +4°C or at -20°C if preferred.

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

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 (MCA1212)