Datasheet: MCA2281A488

**Description:** RAT ANTI MOUSE CD200R:Alexa Fluor® 488

**Specificity:** CD200R

**Other names:** OX2R

**Format:** ALEXA FLUOR® 488

**Product Type:** Monoclonal Antibody

**Clone:** OX-110

**Isotype:** IgG2a

**Quantity:** 100 TESTS/1ml

### 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.abdserotec.com/protocols](http://www.abdserotec.com/protocols).

<table>
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<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tbody>
<tr>
<td>Flow Cytometry</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 Alexa Fluor® 488 - 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
- 1% Bovine Serum Albumin

#### Approx. Protein Concentrations

IgG concentration 0.05 mg/ml

#### Immunogen

Fusion protein mCD200RCD4d3+4

#### External Database Links

**UniProt:** [Q9ES57](https://www.uniprot.org/uniprot/Q9ES57)  [Related reagents](#)

**Entrez Gene:** [57781](https://www.ncbi.nlm.nih.gov/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, ~48kDa 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.

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.

Acknowledgements
The Alexa Fluor® dye antibody conjugates in this product are sold under license from Molecular Probes, Inc. for research use only, except for use in combination with microarrays, and are covered by pending and issued patents.

Health And Safety Information

Regulatory
For research purposes only

Related Products

Recommended Useful Reagents

MOUSE SEROBLOCK FcR (BUF041A)
MOUSE SEROBLOCK FcR (BUF041B)

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