### Product Details

**Description:** MOUSE ANTI RAT CD200 RECEPTOR 1:RPE

**Specificity:** CD200 RECEPTOR 1

**Other names:** OX2 RECEPTOR 1

**Format:** RPE

**Product Type:** Monoclonal Antibody

**Clone:** OX-102

**Isotype:** IgG1

**Quantity:** 100 TESTS

### 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>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
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<tbody>
<tr>
<td>Flow Cytometry</td>
<td></td>
<td></td>
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<td>Neat - 1/10</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**

Rat

**Product Form**

Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized

**Reconstitution**

Reconstitute with 1ml distilled water

**Max Ex/Em**

<table>
<thead>
<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
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<tr>
<td>RPE 488nm laser</td>
<td>496</td>
<td>578</td>
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**Preparation**

Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

0.09% Sodium Azide

1% Bovine Serum Albumin

5% Sucrose

**Immunogen**

Membrane fraction of thioglycollate-elicited rat peripheral cells.

**External Database Links**

**UniProt:**

Q9ES58

Related reagents
### Synonyms
Mox2r, Ox2r

### Fusion Partners
Spleen cells from immunised Balb/c mice were fused with cells of the mouse NS1 myeloma cell line.

### Specificity
**Mouse anti Rat CD200 Receptor 1 antibody, clone OX-102** recognizes the rat OX2 (CD200) receptor 1. This antigen is a heavily glycosylated ~60-100 kDa cell surface molecule expressed by cells of the myeloid lineage but not by T or B lymphocytes.

Mouse anti Rat CD200 Receptor 1 antibody, clone OX-102 has been shown to block the interaction of OX2 receptor 1 with CD200 ([Bushell et al. 2008](https://www.ncbi.nlm.nih.gov/pubmed/18407787)).

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

### References

### Storage
Prior to reconstitution store at +4°C. Following reconstitution store at +4°C.

**DO NOT FREEZE.**

This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

### Shelf Life
12 months from date of reconstitution.

### Health And Safety Information
Material Safety Datasheet documentation #10075 available at:
Related Products

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL:RPE (MCA1209PE)

North & South America
Tel: +1 800 265 7376
Fax: +1 919 878 3751
Email: antibody_sales_us@bio-rad.com

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