Datasheet: MCA44GA

**Product Details**

<table>
<thead>
<tr>
<th>Description:</th>
<th>MOUSE ANTI RAT CD200</th>
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<tbody>
<tr>
<td>Specificity:</td>
<td>CD200</td>
</tr>
<tr>
<td>Other names:</td>
<td>OX2</td>
</tr>
<tr>
<td>Format:</td>
<td>Purified</td>
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<tr>
<td>Product Type:</td>
<td>Monoclonal Antibody</td>
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<tr>
<td>Clone:</td>
<td>OX-2</td>
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<tr>
<td>Isotype:</td>
<td>IgG1</td>
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<tr>
<td>Quantity:</td>
<td>0.1 mg</td>
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</table>

**Product Details**

<table>
<thead>
<tr>
<th>RRID</th>
<th>AB_2073959</th>
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</table>

**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>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
<td>-</td>
<td></td>
<td></td>
<td>1/50 - 1/100</td>
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<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin</td>
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<tr>
<td>Immunoprecipitation</td>
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<td>Immuno-electron Microscopy</td>
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</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**

Rat

**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**

IgG concentration 1.0 mg/ml
Concentrations

Immunogen
Rat thymocyte membrane glycoproteins.

External Database Links
UniProt: P04218
Related reagents

Entrez Gene: 24560 Cd200
Related reagents

Synonyms
Mox2

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

Specificity
Mouse anti Rat CD200 antibody, clone OX-2 recognizes the rat CD200 cell surface antigen, also known as OX-2, a type I membrane glycoprotein, expressed on rat thymocytes, neurons, follicular dendritic cells, endothelium and at low levels on some B cells and smooth muscle cells.

Studies have indicated that the CD200-CD200 ligand system is important in the control of macrophage and granulocyte activation and that this antibody blocks OX-2 mediated T cell costimulation (Ko et al. 2009).

This product is routinely tested by flow cytometry on rat thymocytes.

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

References

Further Reading

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.

**Guarantee**
18 months from date of despatch.

**Health And Safety Information**

**Regulatory**
For research purposes only

**Related Products**

**Recommended Secondary Antibodies**

- Goat Anti Mouse IgG IgA IgM (STAR87...) **Alk. Phos., HRP**
- Goat Anti Mouse IgG (STAR77...) **HRP**
- Rabbit Anti Mouse IgG (STAR12...) **RPE**
- Rabbit Anti Mouse IgG (STAR8...) **DyLight®800**
- Rabbit Anti Mouse IgG (STAR13...) **HRP**
- Goat Anti Mouse IgG (STAR76...) **RPE**
- Goat Anti Mouse IgG (STAR70...) **FITC**
- Goat Anti Mouse IgG (Fc) (STAR120...) **FITC, HRP**
- Rabbit Anti Mouse IgG (STAR9...) **FITC**
- Goat Anti Mouse IgG (H/L) (STAR117...) **Alk. Phos., DyLight®488, DyLight®680, DyLight®800, FITC, HRP**

**Recommended Negative Controls**

- **MOUSE IgG1 NEGATIVE CONTROL (MCA1209)**

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