Datasheet: MCA44R

Description: MOUSE ANTI RAT CD200

Specificity: CD200

Other names: OX2

Format: Purified

Product Type: Monoclonal Antibody

Clone: OX-2

Isotype: IgG1

Quantity: 0.25 mg

Product Details

RRID: AB_2228917

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>Applications</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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<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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<td>Immuno-electron Microscopy</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 - liquid

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

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 (STAR72...)
  - **RPE**
- Rabbit Anti Mouse IgG (STAR84...)
  - **DyLight800**
- 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., DyLight488, DyLight680, DyLight800, FITC, HRP**

#### Recommended Negative Controls

**MOUSE IgG1 NEGATIVE CONTROL (MCA1209)**

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