Datasheet: MCA153A647

**Description:** MOUSE ANTI RAT CD4 (DOMAIN 2):Alexa Fluor® 647

**Specificity:** CD4 (DOMAIN 2)

**Format:** ALEXA FLUOR® 647

**Product Type:** Monoclonal Antibody

**Clone:** OX-35

**Isotype:** IgG2a

**Quantity:** 100 TESTS/1ml

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### Product Details

**RRID** AB_567279

**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>Application</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>Neat</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 conjugated to Alexa Fluor® 647 - liquid

**Max Ex/Em**

<table>
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<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
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</thead>
<tbody>
<tr>
<td>Alexa Fluor®647</td>
<td>650</td>
<td>665</td>
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</tbody>
</table>

**Preparation** Purified IgG prepared by affinity chromatography on Protein G

**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** MLR generated rat T helper lymphocytes.

**External Database Links**

- UniProt: [P05540](http://www.uniprot.org/uniprot/P05540)

**Related reagents**
Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.

Mouse anti Rat CD4 (Domain 2) antibody, clone OX-35 recognizes the rat CD4 cell surface antigen, a ~55kDa glycoprotein expressed by helper T cells and weakly by monocytes.

Mouse anti Rat CD4 (Domain 2) antibody, clone OX-35 recognizes a different epitope on the CD4 molecule to Mouse anti Rat CD4 antibody, clone W3/25.

Use 10ul of the suggested working dilution to label 10⁶ 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. 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.
Guarantee
18 months from date of despatch.

Acknowledgements
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Information

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Related Products
Recommended Negative Controls
MOUSE IgG2a NEGATIVE CONTROL: Alexa Fluor® 647 (MCA1210A647)

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