Datasheet: MCA153R  
BATCH NUMBER 151107

**Product Details**

**Description:** MOUSE ANTI RAT CD4 (DOMAIN 2)

**Specificity:** CD4 (DOMAIN 2)

**Format:** Purified

**Product Type:** Monoclonal Antibody

**Clone:** OX-35

**Isotype:** IgG2a

**Quantity:** 0.25 mg

**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>1/10 - 1/50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunohistology - Frozen</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunohistology - Paraffin</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELISA</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Western Blotting</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunofluorescence</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</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 A

**Buffer Solution**  
Phosphate buffered saline

**Preservative Stabilisers**  
0.09% Sodium Azide

**Carrier Free**  
Yes
### Approx. Protein Concentrations

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>IgG concentration</td>
<td>1.0 mg/ml</td>
</tr>
</tbody>
</table>

### Immunogen

MLR generated rat T helper lymphocytes.

### External Database Links

<table>
<thead>
<tr>
<th>UniProt:</th>
<th>Related reagents</th>
</tr>
</thead>
<tbody>
<tr>
<td>P05540</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Entrez Gene:</th>
<th>Related reagents</th>
</tr>
</thead>
<tbody>
<tr>
<td>24932 Cd4</td>
<td></td>
</tr>
</tbody>
</table>

### RRID

AB_322831

### Fusion Partners

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

### Specificity

**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.

### Flow Cytometry

Use 10ul of the suggested working dilution to label 10^6 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. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

**Guarantee**

12 months from date of despatch

**Health And Safety Information**

Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA153R 10040

**Regulatory**

For research purposes only

**Related Products**

**Recommended Secondary Antibodies**

- Goat Anti Mouse IgG (STAR77...): HRP
- Rabbit Anti Mouse IgG (STAR12...): RPE
- Goat Anti Mouse IgG IgA IgM (STAR87...): Alk. Phos., HRP
- Goat Anti Mouse IgG (STAR76...): RPE
- Goat Anti Mouse IgG (Fc) (STAR120...): FITC, HRP
- Rabbit Anti Mouse IgG (STAR13...): HRP
- Goat Anti Mouse IgG (STAR70...): FITC
- Goat Anti Mouse IgG (H/L) (STAR117...): Alk. Phos., DyLight®488, DyLight®550, DyLight®650, DyLight®680, DyLight®800, FITC, HRP

**Recommended Negative Controls**

- MOUSE IgG2a NEGATIVE CONTROL (MCA1210)