**Datasheet: MCA02R**

<table>
<thead>
<tr>
<th>Description:</th>
<th>MOUSE ANTI MOUSE CD90</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specificity:</td>
<td>CD90</td>
</tr>
<tr>
<td>Other names:</td>
<td>THY1</td>
</tr>
<tr>
<td>Format:</td>
<td>Purified</td>
</tr>
<tr>
<td>Product Type:</td>
<td>Monoclonal Antibody</td>
</tr>
<tr>
<td>Clone:</td>
<td>F7D5</td>
</tr>
<tr>
<td>Isotype:</td>
<td>IgM</td>
</tr>
<tr>
<td>Quantity:</td>
<td>0.25 mg</td>
</tr>
</tbody>
</table>

**Product Details**

<table>
<thead>
<tr>
<th>RRID</th>
<th>AB_323481</th>
</tr>
</thead>
</table>

**Applications**

<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>1/10 - 1/25</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>Immunoprecipitation</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>Cytotoxic Assays</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*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).*

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

**Target Species**

- Mouse

**Product Form**

- IgM fraction - liquid

**Preparation**

- IgM fraction prepared by ammonium sulphate precipitation

**Buffer Solution**

- Phosphate buffered saline

**Preservative Stabilisers**

- 0.09% Sodium Azide

**Approx. Protein Concentrations**

- IgM concentration 1.0 mg/ml

**External Database Links**

- UniProt:
Spleen cells from immunised AKR mice were fused with cells of the mouse NS-1 myeloma cell line.

Specificity

Mouse anti Mouse CD90 antibody, clone F7D5 recognizes the mouse Thy1.2 alloantigen, also known as CD90.2, which is expressed by thymocytes and peripheral T lymphocytes. Clone F7D5 reacts with Thy1.2 mice such as CBA and BALB/C, but not with Thy1.1 mice eg. AKR and FUB.

The antibody is particularly useful for removal of T lymphocytes from cell populations by complement mediated cytotoxicity (Lake et al., 1979).

Mouse anti Mouse CD90 antibody, clone F7D5 is routinely tested in flow cytometry using mouse thymocytes.

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
18 months from date of despatch.

Health And Safety Information
Material Safety Datasheet documentation #10040 available at:

Regulatory
For research purposes only

Recommended Secondary Antibodies
Goat Anti Mouse IgG IgA IgM (STAR87...) Alk. Phos., HRP
Goat Anti Mouse IgM (STAR138...) Alk. Phos.
Human Anti Mouse IgM (HCA040...) FITC