Datasheet: MCA02A647

**Description:** MOUSE ANTI MOUSE CD90: Alexa Fluor® 647

**Specificity:** CD90

**Other names:** THY1

**Format:** ALEXA FLUOR® 647

**Product Type:** Monoclonal Antibody

**Clone:** F7D5

**Isotype:** IgM

**Quantity:** 100 TESTS/1ml

**Target Species**
Mouse

**Product Form**
IgM fraction conjugated to Alexa Fluor 647 - liquid

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

**Preparation**
IgM fraction prepared by ammonium sulfate precipitation

**Buffer Solution**
Phosphate buffered saline

**Preservative Stabilisers**
0.09% Sodium Azide (NaN₃)
1% Bovine Serum Albumin

**Approx. Protein Concentrations**
Ig concentration 0.05 mg/ml

**External Database Links**

<table>
<thead>
<tr>
<th>UniProt:</th>
<th>Related reagents</th>
</tr>
</thead>
<tbody>
<tr>
<td>P01831</td>
<td></td>
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</tbody>
</table>

**Entrez Gene:**

<table>
<thead>
<tr>
<th>21838</th>
<th>Thy1</th>
<th>Related reagents</th>
</tr>
</thead>
</table>

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**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>
</tr>
</tbody>
</table>

Where this product 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 product for use in their own system using appropriate negative/positive controls.
Spleen cells from immunised AKR mice were fused with cells of the mouse NS-1 myeloma cell line. 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.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

**Guarantee**

18 months from date of despatch

**Acknowledgements**

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**Health And Safety Information**

Material Safety Datasheet documentation #10041 available at:

**Regulatory**

For research purposes only

**Related Products**

**Recommended Useful Reagents**

MOUSE SEROBLOCK FcR (BUF041A)
MOUSE SEROBLOCK FcR (BUF041B)