

## Datasheet: MCA04G

<b>Description:</b>	MOUSE ANTI RAT CD90
<b>Specificity:</b>	CD90
<b>Other names:</b>	THY1, THY1.1
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	T11D7e
<b>Isotype:</b>	IgM
<b>Quantity:</b>	0.25 mg

## Product Details

### 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).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			1/5
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	
Cytotoxic Assays	▪			

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.

<b>Target Species</b>	Rat
<b>Species Cross Reactivity</b>	<p>Reacts with: Mouse</p> <p><b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
<b>Product Form</b>	Ig fraction - liquid
<b>Preparation</b>	Ig fraction prepared by ammonium sulphate precipitation from tissue culture supernatant

<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide
<b>Approx. Protein Concentrations</b>	IgM concentration 1 mg/ml
<b>Immunogen</b>	Xenogeneic rat thymocytes.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P01830</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">24832</a>    Thy1    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	Thy-1
<b>RRID</b>	AB_322809
<b>Fusion Partners</b>	Spleen cells from immunized CBA mice were fused with cells of the mouse NS1 myeloma cell line.
<b>Specificity</b>	<p><b>Mouse anti Rat CD90 antibody, clone T11D7e</b> recognizes mouse and rat CD90 also known as Thy1.1. Thy1.1 is a monomorphic determinant in rat but polymorphic in mice. Clone T11D7e reacts with Thy1.1 mice e.g. AKR and FVB mice, but not Thy1.2 mice such as CBA and BALB/c.</p> <p>Clone T11D7e is useful for removal of T lymphocytes from cell populations by complement mediated cytotoxicity (<a href="#">Lake et al. 1979</a>).</p> <p>Mouse anti Rat CD90 antibody, clone T11D7e is routinely tested in flow cytometry using mouse thymocytes.</p>
<b>References</b>	<ol style="list-style-type: none"> <li>1. Lake, P. <i>et al.</i> (1979) Production and characterization of cytotoxic Thy-1 antibody-secreting hybrid cell lines. Detection of T cell subsets. <a href="#">Eur J Immunol. 9 (11): 875-86.</a></li> <li>2. Yasumizu, R. <i>et al.</i> (1988) Development of donor-derived thymic lymphomas after allogeneic bone marrow transplantation in AKR/J mice. <a href="#">J Immunol. 141 (6): 2181-6.</a></li> <li>3. Fabian, R.H. (1990) Uptake of antineuronal IgM by CNS neurons: comparison with antineuronal IgG. <a href="#">Neurology. 40 (3 Pt 1): 419-22.</a></li> <li>4. Ogasawara, K. <i>et al.</i> (1990) Ia restriction specificity of KLH-specific T cells from allogeneic bone marrow chimeras is influenced by histocompatibility at the H-2 and minor histocompatibility loci. <a href="#">Microbiol Immunol. 34 (12): 1025-39.</a></li> <li>5. Mahanthappa, N.K. <i>et al.</i> (1996) Glial growth factor 2, a soluble neuregulin, directly increases Schwann cell motility and indirectly promotes neurite outgrowth. <a href="#">J Neurosci. 16: 4673-83.</a></li> <li>6. Simitzi, C. <i>et al.</i> (2015) Data in support on the shape of Schwann cells and sympathetic neurons onto microconically structured silicon surfaces. <a href="#">Data Brief. 4: 636-40.</a></li> </ol>

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**Storage**

Store at +4°C.

DO NOT FREEZE.

This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA04G">https://www.bio-rad-antibodies.com/SDS/MCA04G</a> 10040
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgM (STAR138...) [Alk. Phos.](#)

Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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**Printed on 18 Jan 2024**

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