

## Datasheet: MCA04G

**BATCH NUMBER 1608**

|                      |                     |
|----------------------|---------------------|
| <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><br/> <a href="#">P01830</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b><br/> <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 immunised 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> </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:<br><a href="https://www.bio-rad-antibodies.com/SDS/MCA04G">https://www.bio-rad-antibodies.com/SDS/MCA04G</a><br>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](#)

|                                  |   |                  |   |               |   |
|----------------------------------|---|------------------|---|---------------|---|
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|----------------------------------|---|------------------|---|---------------|---|

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)  
'M371162:200529'

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