

## Datasheet: MCA1474

<b>Description:</b>	RAT ANTI MOUSE THY-1.2
<b>Specificity:</b>	CD90
<b>Other names:</b>	THY1
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	FF-10
<b>Isotype:</b>	IgG2c
<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	▪			1/50 - 1/100
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting	▪			

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.

<b>Target Species</b>	Mouse
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% sodium azide (NaN <sub>3</sub> )

<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	EL-4 cells.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P01831</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">21838</a> Thy1    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	Thy-1
<b>RRID</b>	AB_322489
<b>Fusion Partners</b>	Spleen cells from immunized Sprague-Dawley rats were fused with cells from the mouse SP2/0 - Ag14 myeloma cell line.
<b>Specificity</b>	<p><b>Rat anti Mouse THY-1.2 antibody, clone FF-10</b> recognizes the murine Thy1.2 cell surface antigen, and binds to T cell lines (EL-4, 3A9), T lymphocytes and the WEH1-3 cell line. 3T3 fibroblasts are also stained by this antibody.</p> <p>Rat anti Mouse THY-1.2 antibody, clone FF-10 strongly induces homotypic adhesion of Thy1.2 positive cell lines.</p>
<b>Western Blotting</b>	<b>Rat anti Mouse THY-1.2 antibody, clone FF-10</b> recognizes murine THY-1.2, also known as CD90. Thy-1.2 is a ~30 kDa glycoprotein as measured by immunoprecipitation and western blotting.
<b>References</b>	<ol style="list-style-type: none"> <li>Venugopalan P <i>et al.</i> (2016) Transplanted neurons integrate into adult retinas and respond to light. <a href="#">Nat Commun. 7: 10472.</a></li> <li>Szczerbal, I. <i>et al.</i> (2009) The spatial repositioning of adipogenesis genes is correlated with their expression status in a porcine mesenchymal stem cell adipogenesis model system. <a href="#">Chromosoma. 118 (5): 647-63.</a></li> <li>Catignas, K.K. <i>et al.</i> (2021) <math>\alpha_V</math> integrins in Schwann cells promote attachment to axons, but are dispensable <i>in vivo</i>.. <a href="#">Glia. 69 (1): 91-108.</a></li> <li>Blades, F. <i>et al.</i> (2020) Tyro3 Contributes to Retinal Ganglion Cell Function, Survival and Dendritic Density in the Mouse Retina. <a href="#">Front Neurosci. 14: 840.</a></li> </ol>
<b>Storage</b>	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>

**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10040 available at:  
<https://www.bio-rad-antibodies.com/SDS/MCA1474>  
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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR16...)	<a href="#">DyLight®800</a>
Rabbit Anti Rat IgG (STAR17...)	<a href="#">FITC</a>
Goat Anti Rat IgG (STAR72...)	<a href="#">HRP</a>
Goat Anti Rat IgG (STAR69...)	<a href="#">FITC</a>
Goat Anti Rat IgG (STAR73...)	<a href="#">RPE</a>
Rabbit Anti Rat IgG (STAR21...)	<a href="#">HRP</a>
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	<a href="#">DyLight®550</a> , <a href="#">DyLight®650</a> , <a href="#">DyLight®800</a>
Goat Anti Rat IgG (STAR131...)	<a href="#">Alk. Phos.</a> , <a href="#">Biotin</a>

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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://www.bio-rad-antibodies.com/datasheets)

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