

Datasheet: MCA1474

Description:	RAT ANTI MOUSE THY-1.2
Specificity:	CD90
Other names:	THY1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	FF-10
Isotype:	IgG2c
Quantity:	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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			1/50 - 1/100
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting	▪			

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.

Target Species	Mouse
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide

Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	EL-4 cells.
External Database Links	<p>UniProt: P01831 Related reagents</p> <p>Entrez Gene: 21838 Thy1 Related reagents</p>
Synonyms	Thy-1
RRID	AB_322489
Fusion Partners	Spleen cells from immunised Sprague-Dawley rats were fused with cells from the mouse SP2/0 - Ag14 myeloma cell line.
Specificity	<p>Rat anti Mouse THY-1.2 antibody, clone FF-10 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>
Western Blotting	MCA1474 recognises a 30kD glycoprotein in immunoprecipitation and Western blotting assays.
References	<ol style="list-style-type: none"> Fan, X. <i>et al.</i> (1996) ICAM-1, -2, and LFA-1 independent homotypic T cell aggregation induced by a novel activating monoclonal antibody targeting the murine Thy-1 molecule. Inflammation 20: 401. Venugopalan P <i>et al.</i> (2016) Transplanted neurons integrate into adult retinas and respond to light. Nat Commun. 7: 10472. 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. Chromosoma. 118 (5): 647-63. Catignas, K.K. <i>et al.</i> (2021) α_V integrins in Schwann cells promote attachment to axons, but are dispensable <i>in vivo</i>.. Glia. 69 (1): 91-108.
Storage	<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

Health And Safety Information Material Safety Datasheet documentation #10040 available at:
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rat IgG (STAR69...)	FITC
Goat Anti Rat IgG (STAR73...)	RPE
Rabbit Anti Rat IgG (STAR16...)	DyLight®800
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	DyLight®650 , DyLight®800
Goat Anti Rat IgG (STAR72...)	HRP
Rabbit Anti Rat IgG (STAR21...)	HRP
Rabbit Anti Rat IgG (STAR17...)	FITC
Goat Anti Rat IgG (STAR131...)	Alk. Phos. , Biotin

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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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