

Datasheet: MCA1474

BATCH NUMBER 0915

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"> 1. 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. 2. Venugopalan P <i>et al.</i> (2016) Transplanted neurons integrate into adult retinas and respond to light. Nat Commun. 7: 10472. 3. 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. 4. 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>Store at +4°C for one month or at -20°C for longer.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	12 months from date of despatch

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

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR16...)	DyLight@800
Rabbit Anti Rat IgG (STAR17...)	FITC
Goat Anti Rat IgG (STAR72...)	HRP
Goat Anti Rat IgG (STAR69...)	FITC
Goat Anti Rat IgG (STAR73...)	RPE
Rabbit Anti Rat IgG (STAR21...)	HRP
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	DyLight@550 , DyLight@650 , DyLight@800
Goat Anti Rat IgG (STAR131...)	Alk. Phos. , Biotin

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