

Datasheet: MCA47FTT BATCH NUMBER 161719

Description:	MOUSE ANTI RAT CD90:FITC	
Specificity:	CD90	
Other names:	THY1	
Format:	FITC	
Product Type:	Monoclonal Antibody	
Clone:	OX-7	
Isotype:	lgG1	
Quantity:	25 µg	

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	-			Neat - 1/10

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.

Species Cross	
Reactivity	

Target Species

Rat

Reacts with: Rabbit, Mouse, Guinea Pig

N.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.

Product Form

Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525

Preparation

Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

Buffer Solution	Phosphate buffered saline	
Preservative Stabilisers	0.09% Sodium Azide 1% Bovine Serum Albumin	
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml	
Immunogen	Rat Thy1 antigen.	
External Database Links	UniProt: P01830 Related reagents Entrez Gene: 24832 Thy1 Related reagents	
Synonyms	Thy-1	
RRID	AB_1102448	
Fusion Partners	Spleen cells from immunized BALB/c mice were fused with ce myeloma cell line.	lls of the mouse NS1
Specificity	Mouse anti Rat CD90 antibody, clone OX-7 recognizes rat a Thy1.1, a GPI-anchored membrane protein containing a single CD90 is expressed on a variety of cell types including thymocycells, immature B cells and connective tissues, CD90 is also expressed.	e V type Ig-like domain ytes, neuronal cells, stem
	Since Thy1.1 is a monomorphic determinant in rat but polymor OX-7 reacts with Thy1.1 mice e.g. AKR and FVB, but not Thy BALB/c. The affinity of the Fab' of MRC OX-7 for rat Thy1 is 3 Thy1.1 is $3 \times 10^8 \text{m}^{-1}(1)$.	1.2 mice such as CBA and
	Mouse anti rat CD90, clone MRC OX-7 has been demonstrate outgrowths on peripherin-stained sympathetic rat neurons, usi (<u>Jeng et al. 1998</u>). Clone OX-7 has also been reported to indu Wistar rats (<u>Tamura et al. 1996</u>).	ng fluorescence microscopy
	This product is routinely tested in flow cytometry on rat thymoc	cytes.
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in	n 100ul.
References	1. Campbell, D.G. <i>et al.</i> (1981) Rat brain Thy-1 glycoprotein. It disulphide bonds and an unusual hydrophobic region. Biocher 2. Bukovský, A. <i>et al.</i> (1983) The localization of Thy-1.1, MRC rat ovary and fallopian tube. Immunology. 48 (3): 587-96. 3. Kawachi, H. <i>et al.</i> (1992) Epitope-specific induction of mesal	m J. 195 (1): 15-30. OX 2 and Ia antigens in the

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Storage

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.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA47FTT 10041
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL:FITC (MCA1209F)

North & South Tel: +1 800 265 7376 America

Fax: +1 919 878 3751

Worldwide

Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739

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Email: antibody_sales_us@bio-rad.com

Email: antibody_sales_uk@bio-rad.com Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M394020:220201'

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