

Datasheet: MCA47FTT BATCH NUMBER 158547

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.

Reacts with: Rabbit, Mouse, Guinea Pig
N.B. Antibody reactivity and working conditions may vary betw

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			FITC) - liquid
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)	
	FITC	490	525	
Preparation	Purified IgG prep	ared by affinity chromatog	raphy on Protein A fro	om tissue culture

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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