

Product datasheet for **SM049FS**

Thy1 Mouse Monoclonal Antibody [Clone ID: OX-7]

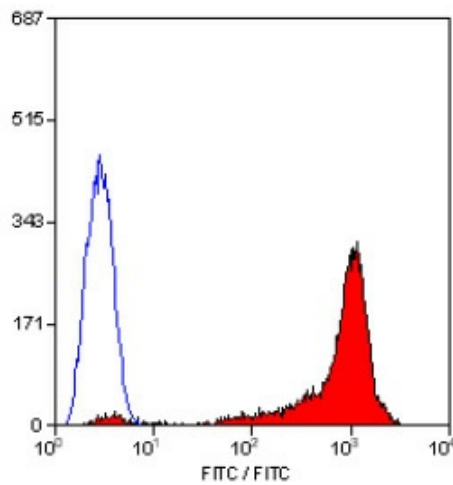
Product data:

Product Type:	Primary Antibodies
Clone Name:	OX-7
Applications:	FC
Recommended Dilution:	Flow Cytometry: Use 10 µl of Neat-1/10 diluted antibody to label 10 ⁶ cells in 100 µl. This product is routinely tested on Rat thymocytes.
Reactivity:	Guinea Pig, Mouse, Rabbit, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Rat Thy1 antigen. Spleen cells of immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.
Specificity:	This antibody recognises CD90, also known as Thy1.1. Since Thy1.1 is a monomorphic determinant in Rat but polymorphic in mice, clone MRC OX-7 reacts with Thy1.1 mice e.g. AKR and FVB mice, but not Thy1.2 mice such as CBA and BALB/c. Clone MRC OX-7 has been demonstrated to promote neurite outgrowths on peripherin-stained sympathetic neurons, using Fluorescence Microscopy (See <i>Jeng, C.J. et al.</i> for details). The Affinity of the Fab' of MRC OX-7 for Rat Thy1 is 3 x 10 ⁸ m ⁻¹ and Mouse Thy1.1 is 3 x 10 ⁸ m ⁻¹ (See <i>Mason, D.W. & Williams, A.F.</i> for details). This clone has been reported to induce glomerular nephritis in Wistar rats (See <i>Tomura, M. et al.</i> for details).
Formulation:	PBS Label: FITC State: Liquid purified IgG fraction. Stabilizer: 1% BSA Preservative: 0.09% Sodium Azide Label: Fluorescein Isothiocyanate Isomer 1 (Excitation / Emission: 525 nm / 490 nm)
Concentration:	lot specific



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Purification:	Affinity Chromatography on Protein G
Conjugation:	FITC
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	thymus cell antigen 1, theta
Database Link:	Entrez Gene 21838 Mouse P01831
Background:	Thy1.1 is expressed on a variety of cell types including thymocytes, neuronal cells, stem cells, T lymphocytes (mouse), immature B cells (rat) and connective tissues.
Synonyms:	Thy-1, THY1, CDw90

Product images:

Staining of rat thymus cells with Mouse anti Rat CD90 (THY-1.1)-FITC