

Product datasheet for **SM049P**

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

Product data:

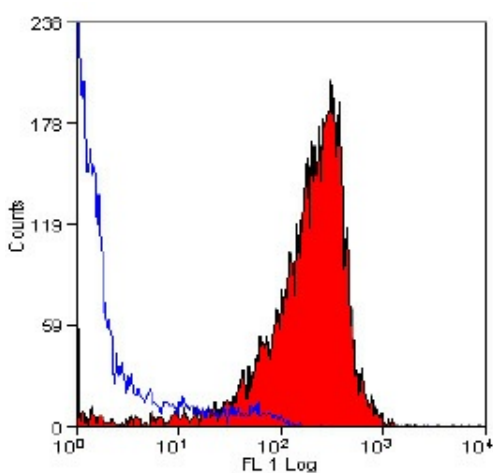
Product Type:	Primary Antibodies
Clone Name:	OX-7
Applications:	FC, IHC, IP, WB
Recommended Dilution:	Western Blot. Immunoprecipitation. Immunohistochemistry on Frozen Sections. Flow Cytometry: Use 10 µl of 1/50-1/100 diluted antibody to label 10e6 cells in 100 µl. This product is routinely tested in flow cytometry on Rat thymocytes.
Reactivity:	Guinea Pig, Mouse, Rabbit, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Rat Thy 1 antigen.
Specificity:	This antibody recognises Rat and Mouse CD90, also known as Thy1.1, expressed on a variety of cell types including thymocytes, neuronal cells, stem cells, T lymphocytes (Mouse), immature B cells (rat) and connective tissues. 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. (5) This clone has been reported to induce glomerular nephritis in Wistar Rats. (8) Affinity of the Fab' of MRC OX-7: Rat Thy1: 3 x 10 ⁹ me1 Mouse Thy1.1: 3 x 10 ⁸ m-1 (1).
Formulation:	PBS, pH7.2 containing 0.09% Sodium Azide as preservative. State: Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G.



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Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. 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 with Mouse Anti Rat CD90 antibody (THY 1.1)