

## Product datasheet for **SM049PT**

### 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:	<b>Western Blot.</b> <b>Immunoprecipitation.</b> <b>Immunohistochemistry on Frozen Sections.</b> <b>Flow Cytometry:</b> Use 10 µl of 1/50-1/100 diluted antibody to label 10e6 cells in 100 µl (Rat thymocytes).
Reactivity:	Guinea Pig, Mouse, Rabbit, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Rat Thy1 antigen.
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. This clone has been reported to induce glomerular nephritis in Wistar rats (8). <b>Aff. Const.</b> of the Fab' of MRC OX-7 for: Rat: 3 x 10 <sup>9</sup> m <sup>-1</sup> Mouse: 3 x 10 <sup>8</sup> m <sup>-1</sup>
Formulation:	PBS containing 0.09% Sodium Azide as preservative. State: Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G.
Conjugation:	Unconjugated



[View online »](#)

**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.

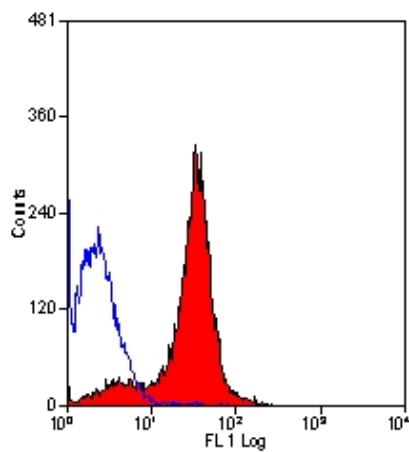
**Gene Name:** thymus cell antigen 1, theta

**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:



Flow Cytometry: SM049P CD90 Antibody Staining of Rat thymocytes.