

## Product datasheet for **SM049LE**

### 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 1/40-1/80 diluted antibody to label 10e6 cells in 100 µl (Routinely tested on Rat thymocytes).
Reactivity:	Guinea Pig, Mouse, Rabbit, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Rat Thy1 antigen.
Specificity:	This antibody recognizes Rat and Mouse 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.
Formulation:	PBS, pH 7.2 without preservatives State: Low Endotoxin State: Liquid purified IgG fraction
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Gene Name: thymus cell antigen 1, theta

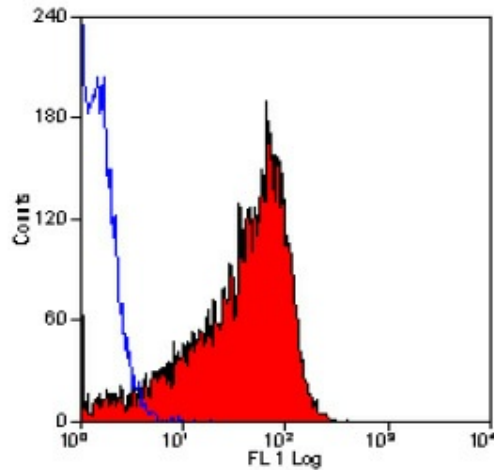
Database Link: [Entrez Gene 21838 Mouse P01831](#)

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

Note: **Endotoxin Level:** Less than 0.01 EU/μg

### Product images:



Staining of Rat thymus with Mouse anti Rat CD90 (THY 1.1): Low Endotoxin