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Product datasheet for SM049R

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 antibody to label 10^6 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. Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.
Specificity:	This antibody recognizes 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. **Affinity Constant** of the Fab' of MRC OX-7 for: **Rat:** $3 \times 10^9 m^{-1}$ **Mouse:** $3 \times 10^8 m^{-1}$ Clone MRC OX-7 has been demonstrated to promote neurite outgrowths on peripherin-stained sympathetic rat neurons, using Fluorescence Microscopy, See Ref.5 for details. This clone has been reported to induce glomerular nephritis in Wistar rats, See Ref.8 for details.

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Formulation:	PBS Label: PE State: Lyophilized purified IgG fraction Stabilizer: 1% BSA and 5% Sucrose Preservative: 0.09% Sodium Azide Label: R. Phycoerythrin (RPE)
Reconstitution Method:	Restore with distilled water.
Purification:	Ion Exchange Chromatography
Conjugation:	PE
Storage:	Prior to and following reconstitution store the antibody undiluted at 2-8°C. **DO NOT FREEZE!** This product is photosensitive and should be protected from light.
Stability:	Shelf life: One year from despatch.
Gene Name:	thymus cell antigen 1, theta
Database Link:	Entrez Gene 21838 Mouse P01831
Background:	CD90 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