

## Monoclonal Antibody to CD90 - Purified

<b>Alternate names:</b>	CDw90, THY1, Thy-1, Thy-1 membrane glycoprotein
<b>Catalog No.:</b>	AM05504PU-N
<b>Quantity:</b>	0.25 mg
<b>Concentration:</b>	1.0 mg/ml
<b>Background:</b>	CD90 / Thy1 antigen is a GPI linked glycoprotein member of the Immunoglobulin superfamily. It is expressed on murine T cells, thymocytes, neural cells, cells of granulocytic lineage, early hematopoietic progenitors, fibroblasts, neurons and Kupffer's cells. Thy1 may play a role in cell to cell or cell to ligand interactions during synaptogenesis and other events in the brain. It is found in most mouse strains except AKR/J, A, Thy1.1 and B6.PL (74NS) expressing Thy1.1.
<b>Uniprot ID:</b>	<a href="#">P01831</a>
<b>NCBI:</b>	<a href="#">NP_033408.1</a>
<b>GeneID:</b>	<a href="#">21838</a>
<b>Host / Isotype:</b>	Mouse / IgM
<b>Clone:</b>	F7D5
<b>Format:</b>	<b>State:</b> Liquid purified IgM containing 0.09% Sodium Azide
<b>Applications:</b>	Flow Cytometry: 1/10 - 1/25. Cytotoxic Assays. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognises the mouse Thy1.2 alloantigen, expressed by thymocytes and peripheral T lymphocytes. Clone F7D5 reacts with Thy1.2 mice such as CBA and BALB/C, but not with Thy1.1 mice eg. AKR and FUB. The antibody is particularly useful for removal of T lymphocytes from cell populations by complement mediated cytotoxicity. This product is routinely tested in flow cytometry using mouse thymocytes. <b>Species:</b> Mouse. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>Caution:</b>	(A full Health and Safety assessment is available upon request) This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
<b>General Readings:</b>	1. Lake P, Clark EA, Khorshidi M, Sunshine GH. Production and characterization of cytotoxic Thy-1 antibody-secreting hybrid cell lines. Detection of T cell subsets. Eur J Immunol. 1979

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Nov;9(11):875-86. PubMed PMID: 393521.

2. Yoshida K, Martin T, Yamamoto K, Dobbs C, Münz C, Kamikawaji N, et al. Evidence for shared recognition of a peptide ligand by a diverse panel of non-obese diabetic mice-derived, islet-specific, diabetogenic T cell clones. *Int Immunol.* 2002 Dec;14(12):1439-47. PubMed PMID: 12456592.

3. de Vries-van der Zwan A, Besseling AC, de Waal LP, Boog CJ. Specific tolerance induction and transplantation: a single-day protocol. *Blood.* 1997 Apr 1;89(7):2596-601. PubMed PMID: 9116307.

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