

Monoclonal Antibody to CD90 - Purified

Alternate names:	CDw90, THY1, Thy-1, Thy-1 membrane glycoprotein
Catalog No.:	AM05504PU-T
Quantity:	25 µg
Concentration:	1.0 mg/ml
Background:	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.
Uniprot ID:	P01831
NCBI:	NP_033408.1
GeneID:	21838
Host / Isotype:	Mouse / IgM
Clone:	F7D5
Format:	State: Liquid purified IgM containing 0.09% Sodium Azide
Applications:	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.
Specificity:	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. Species: Mouse. Other species not tested.
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. Shelf life: one year from despatch.
Caution:	(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.
General Readings:	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

For research and in vitro use only. Not for diagnostic or therapeutic work.
Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com

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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