

Monoclonal Antibody to CD90.2 - Low Endotoxin

Alternate names:	CD90, Thy-1, Thy-1 membrane glycoprotein, Thy-1.2, Thy1.2
Catalog No.:	AM08055LE-N
Quantity:	0.5 mg
Concentration:	0.5 mg/ml
Background:	CD90/Thy-1 is a GPI-anchored molecule and one of the smallest members of the immunoglobulin superfamily, consisting of a single V-set domain. (Ref.1-3) The Thy-1.2 alloantigen is expressed on all thymocytes, peripheral T lymphocytes, and some intraepithelial T cells of most mouse strains. It is also expressed in the brain and at varying levels on other non-lymphoid tissues.
Uniprot ID:	P01831
NCBI:	NP_033408.1
GeneID:	21838
Host / Isotype:	Rat / IgG2b
Clone:	30-H12
Format:	State: Liquid purified Ig fraction. Buffer System: PBS without preservatives.
Applications:	Flow Cytometry. (Ref.4,5) Immunohistochemistry on Frozen Sections. (Ref.6) In vivo and in vitro Depletion of T Cells. (Ref.7,8) Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises CD90.2/Thy-1.2 alloantigen (Mr. 18 kDa). It does not cross react with Mouse and Rat strains bearing the Thy-1.1 alloantigen (e.g., AKR/J,PL). (Ref.2-5). Species: Mouse. Other species not tested.
Storage:	Store the antibody undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Homans, S.W., et al. 1988. Nature 333:269. 2. William, A.F., and J. Gagnon. 1982. Science 216:696. 3. Williams, A.F. 1989. In: Cell Surface Antigen Thy-1 (A.E. Reif and M. Schlesinger, eds) Marcel Dekker, New York, pp. 49-69. 4. Ledbetter, J.A., et al. 1980. J. Exp. Med. 152:280. 5. Ledbetter, J.A., and L.A. Herzenberg. 1979. Immunol. Rev. 47:63.

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6. Southern Biotechnology Associates, Inc. 1997. Unpublished observations.
7. Hathcock, K.S. 1991. In: Current Protocols in Immunology (J.E. Coligan, A.M. Kruisbeek, D.H. Margulies, E.M. Shevach, and W. Strober, eds) John Wiley & Sons, New York, NY, pp. 3.4.1-3.4.3.
8. Kruisbeek, A.M. 1991. In: Current Protocols in Immunology (J.E. Coligan, A.M. Kruisbeek, D.H. Margulies, E.M. Shevach, and W. Strober, eds) John Wiley & Sons, New York, NY, pp. 4.1.1-4.1.5.

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