

Monoclonal Antibody to CD90.2 - Purified

Alternate names: CD90, Thy-1, Thy-1 membrane glycoprotein, Thy-1.2, Thy1.2

Catalog No.: AM08055PU-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: 100 mM Borate Buffered Saline, pH 8.2.
No preservatives or amine-containing buffer salts added.

Applications: **Flow Cytometry:** < / = 1 µg/10e6 cells. (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 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.

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.
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 Unpublished observations.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.

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