

## Monoclonal Antibody to CD90.2 - FITC

<b>Alternate names:</b>	CD90, Thy-1, Thy-1 membrane glycoprotein, Thy-1.2, Thy1.2
<b>Catalog No.:</b>	AM08055FC-S
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.5 mg/ml
<b>Background:</b>	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. The 30-H12 monoclonal antibody does not cross react with Mouse and Rat strains bearing the Thy-1.1 alloantigen (e.g., AKR/J,PL). (Ref.2-5).
<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>	Rat / IgG2b
<b>Clone:</b>	30-H12
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction. <b>Buffer System:</b> PBS containing 0.09% Sodium Azide as preservative. <b>Label:</b> FITC – Fluorescein Isothiocyanate Isomer 1
<b>Applications:</b>	<b>Flow Cytometry:</b> < / = 1 µg/10e6 cells. (Ref.4,5) Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognises CD90.2/Thy-1.2 alloantigen (Mr. 18 kDa). <b>Species:</b> Mouse. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C. <b>DO NOT FREEZE!</b> This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	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.

**For research and in vitro use only. Not for diagnostic or therapeutic work.**  
Material Safety Datasheets are available at [www.acris-antibodies.com](http://www.acris-antibodies.com) or on request.

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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 Unpublished observations.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.

**Pictures:**

**Immunofluorescent Staining:** BALB/c splenocytes were double-stained with Rat anti-Mouse CD90.2-FITC and Rat anti-Mouse CD19-PE. Small lymphocytes were then gated and analyzed on a FACScan(TM) flowcytometer (BDIS, San Jose, CA). Amount Used: 0.3 µg/10e6 cells.

