

## Product datasheet for **AM08055FC-S**

### Thy1 Rat Monoclonal Antibody [Clone ID: 30-H12]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	30-H12
Applications:	FC
Recommended Dilution:	<b>Flow Cytometry:</b> < / = 1 µg/10e6 cells. (Ref.4,5)
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2b
Clonality:	Monoclonal
Specificity:	This antibody recognises CD90.2/Thy-1.2 alloantigen (Mr. 18 kDa).
Formulation:	PBS containing 0.09% Sodium Azide as preservative. Label: FITC State: Liquid purified Ig fraction. Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Conjugation:	FITC
Storage:	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.
Stability:	Shelf life: one year from despatch.
Gene Name:	thymus cell antigen 1, theta
Database Link:	<a href="#">Entrez Gene 21838 Mouse P01831</a>



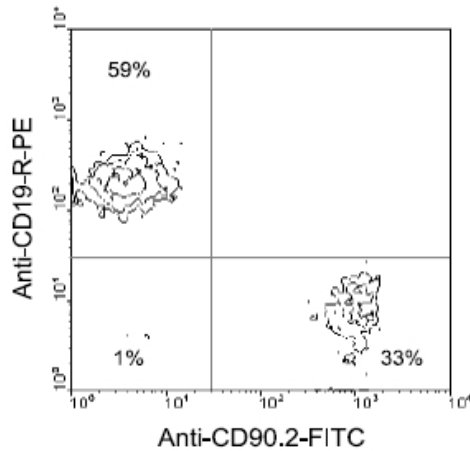
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**Background:**

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. 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).

**Synonyms:**

Thy1.2, Thy-1.2, CD90, Thy-1

**Product images:**

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 ug/10e6 cells.