

## Product datasheet for **AM08054AC-N**

### Thy1 Rat Monoclonal Antibody [Clone ID: G7]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	G7
Applications:	FC
Recommended Dilution:	<b>Flow Cytometry:</b> $\leq 0.2 \mu\text{g}/10^6$ cells. (Ref.1,6,8).
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2c
Clonality:	Monoclonal
Immunogen:	Mouse T cell hybridoma C6/G8.
Specificity:	This antibody recognises Mouse Thy-1.1 and Thy-1.2 alloantigens (Thy-1 epitope region A). Other species not tested.
Formulation:	PBS containing 0.09% Sodium Azide as preservative and a stabilizing agent Label: APC State: Liquid purified Ig fraction Label: Allophycocyanin
Concentration:	lot specific
Conjugation:	APC
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, a GPI-anchored molecule and one of the smallest members of the immunoglobulin superfamily of cell surface receptors, consists of a single V-set domain. It is expressed on thymocytes, peripheral T lymphocytes, some intraepithelial T lymphocytes and neurons of all mouse strains. MAb G7 stimulates T-cell proliferation and IL-2 secretion, via signalling through the T-cell receptor/CD3 complex. It has also been reported to promote apoptosis of thymocytes and CTL clones and to mediate adhesion of thymocytes to thymic stroma.

**Synonyms:**

Thy-1, THY1, CDw90