

Product datasheet for **AM08054PU-N**

Thy1 Rat Monoclonal Antibody [Clone ID: G7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	G7
Applications:	FC, FN, IHC
Recommended Dilution:	Flow Cytometry. (Ref.1,10) Immunohistochemistry (Acetone-Fixed, Frozen Sections). (Ref.10) In vitro T Cell Activation. (Ref.1,5,6,9) Induction of apoptosis.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2c
Clonality:	Monoclonal
Specificity:	This antibody recognises Thy-1.1 and Thy-1.2 alloantigens (Thy-1 epitope region A). MAb G7 stimulates T-cell proliferation and IL-2 secretion, via signalling through the T-cell receptor/CD3 complex. (Ref.1,5-7). It has also been reported to promote apoptosis of thymocytes and CTL clones (Ref.4,7) and to mediate adhesion of thymocytes to thymic stroma. (Ref.8)
Formulation:	100 mM Borate Buffered Saline, pH 8.2. No preservatives or amine-containing buffer salts added. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Conjugation:	Unconjugated
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.
Stability:	Shelf life: one year from despatch.
Gene Name:	thymus cell antigen 1, theta
Database Link:	Entrez Gene 21838 Mouse P01831



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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. (Ref.1-4) It is expressed on thymocytes, peripheral T lymphocytes, some intraepithelial T lymphocytes and neurons of all mouse strains. (Ref.1,2)

Synonyms: Thy-1, THY1, CDw90