

## Product datasheet for **AM08054BT-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> < / = 1 µg/10e6 cells. (Ref.1,10)  |
| 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).   |
| Formulation:          | PBS containing 0.09% Sodium Azide as preservative.<br>Label: Biotin<br>State: Liquid purified Ig fraction.  |
| Concentration:        | lot specific  |
| Conjugation:          | Biotin  |
| Storage:              | Store the antibody undiluted at 2-8°C.<br><b>DO NOT FREEZE!</b><br>This product is photosensitive and should be protected from light.<br>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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| <b>Background:</b> | 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) 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) |
| <b>Synonyms:</b>   | Thy-1, THY1, CDw90  |