

Product datasheet for **SM3158R**

Thy1 (Thy1.2) Mouse Monoclonal Antibody [Clone ID: 1aG4/C5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1aG4/C5
Reactivity:	Mouse
Host:	Mouse
Isotype:	IgG3
Clonality:	Monoclonal
Immunogen:	Thymocytes from C3H/Di mice (Thy-1.2 positive)
Specificity:	This antibody recognizes alloantigen Thy-1.2 of mouse Thy-1 (CD90). It does not cross-react with Thy-1.1 alloantigen. Thy-1 is an 18-35 kDa cell surface GPI linked glycoprotein (immunoglobulin superfamily); in mouse it is abundant on thymocytes and peripheral T lymphocytes.
Formulation:	Phosphate buffered saline (PBS) Label: PE State: Liquid purified Ig fraction Stabilizer: 0.2% (w/v) high-grade protease free Bovine Serum Albumin (BSA) Preservative: 15 mM sodium azide Label: Conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Concentration:	lot specific
Conjugation:	PE
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light.
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) is an 18-35 kDa GPI-anchored plasma membrane glycoprotein expressed in many cell types, such as in hematopoietic cells and neurons, connective tissues, various fibroblast and stromal cell lines, tumor endothelial cell lines and other. In the mouse, CD90 is expressed mainly on thymocytes and peripheral T lymphocytes. It is involved in T cell activation, cellular adhesion, proliferation and migration, neurite outgrowth, wound healing, apoptosis, and fibrosis. CD90 participates in multiple signaling cascades and its effects are tissue- and cell type-specific. It often functions as an important regulator of cell-cell and cell-matrix interactions.

Synonyms:

Thy-1, THY1, CDw90