

Product datasheet for **SM3158A**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	1aG4/C5
Applications:	FC, FN, IF, WB
Recommended Dilution:	Flow Cytometry: 1 µg/ml Western Blotting. Immunocytochemistry. Functional Assay: The bound of antibody 1aG4/C5 to the transfected mast cells induces the activation processes which are similar, but not identical, to the antigen activation of IgE stimulated cells. Other studies approve that the antibody 1aG4/C5 precipitates complexes with Lyn protein tyrosine kinase.
Reactivity:	Mouse
Host:	Mouse
Isotype:	IgG3
Clonality:	Monoclonal
Immunogen:	Thymocytes from C3H/Di mice (alelic form: Thy-1.2 positive)
Specificity:	The antibody 1aG4/C5 recognizes alloantigen Thy-1.2 of Mouse Thy-1 (CD90). It does not cross-react with Thy-1.1 alloantigen. Thy-1 is a 18 kDa cell surface GPI linked glycoprotein (Immunoglobulin superfamily); in the mouse it is expressed on all thymocytes and peripheral T lymphocytes. Negative Species: Human, Rat.
Formulation:	Azide free PBS, pH~7.4, sterilized by filtration State: Azide Free State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Preservative: None
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE!



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Stability:	Shelf life: one year from despatch.
Gene Name:	thymus cell antigen 1, theta
Database Link:	Entrez Gene 21838 Mouse P01831
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