

TECHNICAL DATA SHEET

CyFlow™ CD90.2 Azide Free Anti-Ms; Clone 1aG4/C5

REF BG951910

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	CD90.2
Alternative Names	—
Clone	1aG4/C5
Clonality	monoclonal
Format	Azide Free
Host / Isotype	Mouse / IgG3
Species Reactivity	Mouse
Negative Species Reactivity	Human Rat
Quantity [Concentration]	0.1 mg [1 mg/ml]
Immunogen	Thymocytes from C3H/Di mice (Thy-1.2 positive)

Specificity

The mouse monoclonal antibody 1aG4/C5 recognizes alloantigen Thy-1.2 of mouse CD90 (Thy-1); it does not cross-react with Thy-1.1 alloantigen. CD90 is a 18-35 kDa cell surface GPI linked glycoprotein (immunoglobulin superfamily); in mouse it is abundant on thymocytes and peripheral T lymphocytes.

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Application

Based on published sources, this antibody is suitable for the following applications:

- Flow cytometry
- Western blot
- Immunocytochemistry
- Functional assays

Storage Buffer

The reagent is provided in azide-free phosphate buffered saline (PBS) solution, pH ≈7.4; 0.2 µm filter sterilized.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability	Do not use after expiration date stamped on vial label.

Background Information

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.

References

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The Safety Data Sheet for this product is available at www.sysmex-partec.com/services.

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