

Anti-Ms CD90.2 Purified Azide Free Thy1 Monoclonal Antibody

Catalog Number: M01818-2

About THY1.2

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.

Overview

Product Name	Anti-Ms CD90.2 Purified Azide Free Thy1 Monoclonal Antibody
Reactive Species	Mouse
Description	Boster Bio Anti-Ms CD90.2 Purified Azide Free Thy1 Monoclonal Antibody (Catalog# M01818-2). Tested in Flow Cytometry, WB, ICC, Functional Assay application(s). This antibody reacts with Mouse.
Application	Flow Cytometry, ICC, WB, Functional Assay
Clonality	Monoclonal 1aG4/C5
Formulation	Phosphate buffered saline (PBS), pH 7.4, azide-free
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	P01831

Technical Details

Immunogen	Thymocytes from C3H/Di mice (Thy-1.2 positive). The mouse monoclonal antibody 1aG4/C5 recognizes alloantigen Thy-1.2 of mouse Thy-1 (CD90). Thy-1 is an 18-35 kDa cell surface GPI anchored glycoprotein (immunoglobulin superfamily); in mouse it is abundant on thymocytes and peripheral T lymphocytes.
Predicted Reactive Species	Primate
Cross Reactivity	This antibody does not cross-react with Thy-1.1 alloantigen.
Isotype	Mouse IgG3
Form	Liquid
Concentration	1 mg/ml

Purification	Purified by protein-A affinity chromatography.
Suggested Dilutions	Functional application: 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. Immunoprecipitation: The antibody 1aG4/C5 precipitates complexes with Lyn protein tyrosine kinase. Flow cytometry: 1 ug/ml.

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