Anti-Human CD90-173Yb

Catalog: 3173011B
Package size: 100 tests
Storage: Store at 4 °C. Do not freeze.
Cross-reactivity: Cynomolgus Monkey, Rhesus, Olive Baboon, Pigtailed Macaque, Porcine

Clone: 5E10
Isotype: Mouse IgG1
Formulation: Antibody stabilizer with 0.05% sodium azide

Technical Information

Validation: Each lot of conjugated antibody is quality control-tested by CyTOF® analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

Recommended usage: The suggested use is 1 µL for up to 3 x 10^6 live cells in 100 µL. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.

Human HEL erythroleukemia cells (top) and human NALM-6 pre-B cells (bottom) stained with 173Yb-anti-CD90 [Thy-1] (5E10). Total viable cells are displayed in the analysis.

Description

CD90, also known as Thy-1, is a GPI-anchored protein belonging to the Ig superfamily. Human CD90 is expressed on neuronal cells, a subset of CD34+ cells, a subset of fetal liver cells and fetal thymocytes, fibroblasts, activated endothelial cells, and some leukemia cell lines. CD34+CD90+ cells are primitive hematopoietic stem cells. It has been reported that Thy-1 binds with β2 and β3 integrins and plays bimodal roles in the regulation of cell adhesion and neurite outgrowth, and that it inhibits hematopoietic stem cell proliferation and differentiation.

References


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