

Anti-human CD90/Thy-1 Antibody (4K978)

Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Molecular Weight:	Theoretical: 12 kDa. Actual: 25-35 kDa.
Clone:	4K978
Purification:	Protein G purified

Applications

Blank control:	HepG2.
Primary Antibody (green line):	Mouse Anti-CD90 antibody (TMAB-07423)
Dilution:	2 µg /10 ⁶ cells;
Isotype Control Antibody (orange line):	Mouse IgG.
Secondary Antibody:	Goat anti-Mouse IgG-CY5
Verified Activity:	Dilution: 1 µg /test. Protocol The cells were incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.
Application:	FCM
Recommended	FCM: 1:50-100

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	HEL cells
Gene ID:	7070

Research Background

Thy-1 or CD90 (Cluster of Differentiation 90) is a 25–37 kDa heavily N-glycosylated, glycosylated phosphatidylinositol (GPI) anchored conserved cell surface protein with a single V-like immunoglobulin domain, originally discovered as a thymocyte antigen. Thy-1 can be used as a marker for a variety of stem cells and for the axonal processes of mature neurons. Structural study of Thy-1 led to the foundation of the immunoglobulin superfamily, of which it is the smallest member, and led to some of the initial biochemical description and characterization of a vertebrate GPI anchor and also the first demonstration of tissue specific differential glycosylation.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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