

human CD90/Thy-1 Mouse mAb

Catalog Number: bsm-30105M

Target Protein: human CD90/Thy-1

Concentration: 0.5mg/ml

Form: Liquid

Host: Mouse

Clonality: Monoclonal

Clone No.: 2D9

Isotype: Mouse IgG1

Applications: Flow-Cyt (1:50-100)

Reactivity: Human

Predicted MW: 12 kDa

Detected MW: 25-35 kDa

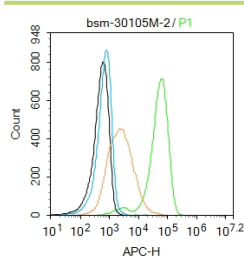
Purification: affinity purified by Protein G

Storage: 0.01M PBS (pH7.4).

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Thy-1 or CD90 (Cluster of Differentiation 90) is a 25–37 kDa heavily N-glycosylated, glyphosphatidylinositol (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.

VALIDATION IMAGES



Blank control: HepG2. Primary Antibody (green line): Mouse Anti- CD90 antibody (bsm-30105M) Dilution: 2µg /10⁶ cells; Isotype Control Antibody (orange line): Mouse IgG . Secondary Antibody : Goat anti-Mouse IgG- CY5 Dilution: 1µg /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.