

CD90 / Thy1 (Mesenchymal Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone AF-9]

Catalog No	Format	Size
7070-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
7070-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
7070-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

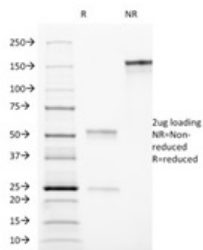
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

Product Details

Clone	AF-9
Gene Name	Thy-1
Immunogen	Human T-lymphoma cells
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	18-35kDa
Cellular Localization	Cell membrane
Species Reactivity	Human
Positive Control	CCRF-CEM or MOLT-4 cells. Human uterus., IMR-32

*Optimal dilution for a specific application should be determined.

Product Images for CD90 / Thy1 (Mesenchymal Cell Marker) Antibody



SDS-PAGE Analysis of Purified CD90 Mouse Monoclonal antibody (AF-9).
Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

Recognizes a protein of 18-35kDa, identified as CD90 (also known as Thy1). CD90 is a member of the immunoglobulin superfamily. It may contribute to inhibition of proliferation/differentiation of hematopoietic stem cells and neuron memory formation in the CNS. It consists of a single Ig domain (112 amino acids; 25-35 kDa) inserted into the cell membrane via a GPI anchor. Expressed by hematopoietic stem cells and neurons in all species studied. Its highly expressed in connective tissue and various fibroblast and stromal cell lines, expressed on all thymocytes and peripheral T cells in mice, but in humans expressed only on small % fetal thymocytes, 10-40% of CD34+ cells in bone marrow, and

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Hematopoietic Stem Cells, Mesenchymal Stem Cell Differentiation, Neuroscience, Nuclear Marker

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.