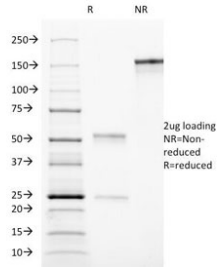
CD90 Antibody AF-9 / Thy1 Monoclonal Antibody [clone AF-9] (V2892)

Catalog No.	Formulation	Size
V2892-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2892-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2892SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Citations (3)

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	AF-9
Purity	Protein G affinity chromatography
UniProt	P04216
Localization	Cell surface
Applications	Flow cytometry: 0.5-1ug/million cells Immunofluorescence: 0.5-1ug/ml
Limitations	This CD90 Antibody AF-9 is available for research use only.



SDS-PAGE Analysis of Purified, BSA-Free CD90 Antibody AF-9. Confirmation of Integrity and Purity of the Antibody.

Description

Recognizes a protein of 18-35 kDa, 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 ~1% of CD3+CD4+ lymphocytes in peripheral circulation. It is also expressed by human lymph node HEV endothelium but not other endothelia. Lastly, it is expressed by a limited number of lymphoblastoid and leukemic cell lines.

Application Notes

Optimal dilution of the CD90 Antibody AF-9 should be determined by the researcher.

Immunogen

Human T-lymphoma cells were used as the immunogen for the CD90 antibody.

Storage

Store the CD90 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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