

**CD90 / Thy1 (Stromal / Mesenchymal Marker) Antibody - With BSA and Azide**  
**Mouse Monoclonal Antibody [Clone AF-9 ]**  
**Catalog # AH12413****Specification**

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**CD90 / Thy1 (Stromal / Mesenchymal Marker) Antibody - With BSA and Azide - Product Information**

Application	IF, FC
Primary Accession	<a href="#">P04216</a>
Other Accession	<a href="#">7070, 644697</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG1, kappa
Calculated MW	18-35kDa KDa

**CD90 / Thy1 (Stromal / Mesenchymal Marker) Antibody - With BSA and Azide - Additional Information****Gene ID** 7070**Other Names**

Thy-1 membrane glycoprotein, CDw90, Thy-1 antigen, CD90, THY1

**Application Note**

<span class = "dilution\_IF">IF~~1:50~200</span><br \><span class = "dilution\_FC">FC~~1:10~50</span>

**Storage**

Store at 2 to 8°C. Antibody is stable for 24 months.

**Precautions**

CD90 / Thy1 (Stromal / Mesenchymal Marker) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

**CD90 / Thy1 (Stromal / Mesenchymal Marker) Antibody - With BSA and Azide - Protein Information****Name** THY1**Function**

May play a role in cell-cell or cell-ligand interactions during synaptogenesis and other events in the brain.

**Cellular Location**

Cell membrane; Lipid-anchor, GPI- anchor

**CD90 / Thy1 (Stromal / Mesenchymal Marker) Antibody - With BSA and Azide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**CD90 / Thy1 (Stromal / Mesenchymal Marker) Antibody - With BSA and Azide - Images****CD90 / Thy1 (Stromal / Mesenchymal Marker) Antibody - With BSA and Azide - Background**

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

**CD90 / Thy1 (Stromal / Mesenchymal Marker) Antibody - With BSA and Azide - References**

Beissert S et al. Impaired cutaneous immune responses in Thy-1-deficient mice. J Immunol 1998, 161(10):5296-302 | Williams, A.F., and J. Gagnon. 1982. Neuronal cell Thy-1 glycoprotein: Homology with immunoglobulin. Science 216: 696 - 703 | Fujita N et al. Aggregation of Thy-1 glycoprotein induces thymocyte apoptosis through activation of CPP32-like proteases. Exp Cell Res 1997, 232(2):400-406 | Kroczeck, R.A., K.C. Gunter, R.N. Germain, and E.M. Shevach. 1986. Thy-1 functions as a signal transduction molecule in T lymphocytes and transfected B lymphocytes. Nature 322: 181 - 184