

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

Rat Monoclonal Antibody [Clone IBL-6/23 ]  
Catalog # AH10906

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

Application	IF, FC
Primary Accession	<a href="#">P01831</a>
Other Accession	<a href="#">21838 (Mouse)</a> , <a href="#">3951 (Mouse)</a>
Reactivity	Mouse
Host	Rat
Clonality	Monoclonal
Isotype	Rat / IgG1, kappa
Calculated MW	25kDa KDa

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

**Gene ID** 21838

**Other Names**

Thy-1 membrane glycoprotein, Thy-1 antigen, CD90, Thy1, Thy-1

**Application Note**

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

**Format**

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**

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

**Precautions**

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

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

**Name** Thy1

**Synonyms** Thy-1

**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 (Anti-Mouse) (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 (Anti-Mouse) (Stromal / Mesenchymal Marker) Antibody - With BSA and Azide - Images**

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

Recognizes a protein of 25kDa, identified as mouse Thy-1 (also known as CD90). It is a glycosyl phosphatidylinositol-anchored surface glycoprotein. 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; 25-35kDa) inserted into the cell membrane via a GPI anchor. Thy-1 is expressed mainly on brain and lymphoid tissues including thymocytes, Peripheral T-cells, and some intraepithelial T-lymphocytes. Thy-1 may play a role in T cell activation, development and function of nervous system, and apoptosis.

#### **CD90 / Thy1 (Anti-Mouse) (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 Kroczek, 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