

## 45-1067: Rat Monoclonal Antibody to CD90 (Clone : 5A4D10)(Discontinued)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	5A4D10
<b>Application :</b>	ELISA
<b>Reactivity :</b>	Mouse
<b>Gene :</b>	Thy1
<b>Gene ID :</b>	21838
<b>Uniprot ID :</b>	P01831
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Thy-1 membrane glycoprotein, Thy-1 antigen, CD90
<b>Isotype :</b>	Rat IgG1, $\mu$ <sup>g</sup>
<b>Immunogen Information :</b>	Purified mouse CD90 recombinant protein

### Description

CD90 known as Thy-1, is a heavily N-glycosylated cell surface protein with a single V-like immunoglobulin domain. It may play a role in cell-cell or cell-ligand interactions during synaptogenesis and other events in the brain. CD90 can be used as a marker for a variety of stem cells and for the axonal processes of mature neurons. It is one of the popular combinatorial surface markers for FACS for stem cells in combination with other markers like CD34. CD90 Antibody (5A4D10), mAb, Rat is produced from the hybridoma resulting from fusion of SP2/0-Ag14 myeloma and B-lymphocytes obtained from rat immunized with purified mouse CD90 recombinant protein.

### Product Info

<b>Amount :</b>	40 $\mu$ g
<b>Purification :</b>	Protein G chromatography
<b>Content :</b>	0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide.
<b>Storage condition :</b>	The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

### Application Note

ELISA: 0.05-0.2  $\mu$ g/ml, Flow cytometry: 2  $\mu$ g for  $1 \times 10^6$  cells

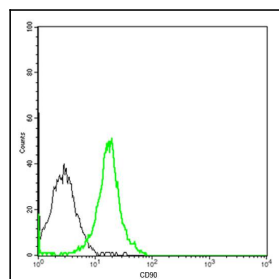


Figure-1 : Flow cytometric analysis of CD90 Antibody (Clone: 5A4D10) on mouse thymocytes cells, green histogram represents CD90 Antibody (Clone: 5A4D10) and black histogram represents rat IgG control. PE conjugated Goat Anti-Rat IgG used as secondary antibody.