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**Antibody to Mouse CD90 Thy-1**  
RAT MONOCLONAL

**Catalog Number:** AB-432  
**Quantity:** 500 micrograms  
**Format:** Lyophilized  
**Host:** Rat  
**Isotype:** IgG1  
**Clone:** mThy-1  
**Immunogen:** Purified mouse LN T cells

**Background:**

CD-90 plays a role in cell-cell or cell-ligand interactions during synaptogenesis and other events in the brain. Thy-1 is the designation for a major cell surface glycoprotein characteristic to T cells. The Thy-1 glycoproteins are constituents of thymocytes and neurons and probably are involved in cell-cell interactions. Human Thy-1 homolog maps to chromosome 11 because that is where T3D is found, in the mouse T3D and Thy-1 map to chromosome 9 along with certain other loci that are on human 11q.

**Specificity and Preparation:**

Rat anti-mouse CD90 Thy-1 is purified by ion exchange column. Protein concentration is 1 mg/ml in PBS (after reconstitution).

**Usage and Storage:**

Reported to be effective as a cytotoxic and staining antibody. For staining, use 10  $\mu$ l/10<sup>6</sup> cells. This antibody is extremely efficient for killing *in vivo*. Exact titer for cytotoxicity should be determined by the investigator. Reconstitute with H<sub>2</sub>O. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate. Store lyophilized material at 4°C. After reconstitution, if not intended for use within a month, aliquot and store at -20°C. Material is stable for two years lyophilized, one month in solution at 4°C.

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