

**Manufacturer/Supplier:**

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**Product name:** Anti-Mouse CD90 Monoclonal Antibody(APC  
Conjugated)

**Catalog:** DL21121F

**Synonyms:** Thy-1 membrane glycoprotein, Thy1, Thy-1  
antigen, CD90, Thy-1

**Background:** CD90 is a 25-35 kD immunoglobulin superfamily member, also known as Thy-1. It is expressed on hematopoietic stem cells and neurons, all thymocytes, and peripheral T cells, but not on B cells. CD90 is a glycosylphosphatidylinositol (GPI)-anchored membrane glycoprotein involved in signal transduction. CD90 is involved in costimulation of lymphocyte proliferation and activation, and hematopoietic stem cell differentiation. CD90 has been shown to interact with

CD45.

**Form:** Liquid

**Isotype:** Rat IgG2b,  $\kappa$

**Size:** 25 $\mu$ g/50 $\mu$ g/100 $\mu$ g/200 $\mu$ g

**Host:** Rat

**Reactivity:** Mouse

**Application:** FCM

**Concentration:** 0.2 mg/mL

**Conjugation:** APC

**SwissProt:** P01831

**Buffer:** PBS with 0.05% Proclin300, 1% BSA

### Recommended Use:

Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results or refer to the dilution we used in the experiment.

### Data:

C57BL/6 murine splenocytes are stained with Anti-Mouse CD90 Monoclonal Antibody(APC Conjugated)[Used at 0.02  $\mu$ g/10<sup>6</sup> cells dilution](filled gray histogram). Unstained splenocytes (empty black

histogram) are used as control.

### Storage:

Keep as concentrated solution.

Store at 2~8°C and protected from prolonged exposure to light. Do not freeze.

This product is guaranteed up to one year from purchase.