

**Manufacturer/Supplier:**

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**Product name:** Anti-Mouse CD90.1 Monoclonal Antibody(Biotin  
Conjugated)

**Catalog:** DL21105F

**Synonyms:** Thy-1.1 membrane glycoprotein, Thy1.1, Thy-1.1  
antigen, CD90.1, Thy-1.1

**Background:** CD90.1 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. CD90.1 is a glycosylphosphatidylinositol (GPI)-anchored membrane glycoprotein involved in signal transduction. CD90.1 is involved in costimulation of lymphocyte proliferation and activation, and hematopoietic stem cell differentiation. CD90.1 has been shown to interact with CD45.

**Form:** Liquid

**Isotype:** Rat IgG2a,  $\kappa$

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

**Host:** Rat

**Reactivity:** Mouse

**Application:** FCM

**Concentration:** 0.5 mg/mL

**Conjugation:** Biotin

**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. For flow cytometric staining, the suggested use of this reagent is  $\leq 2.0$   $\mu$ g per  $10^6$  cells in 100  $\mu$ L volume or 100  $\mu$ L of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

### 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.