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**Product name:** Purified Anti-Mouse CD90.2 Monoclonal Antibody

**Catalog:** DL21081F

**Synonyms:** Thy-1.2 membrane glycoprotein, Thy1.2, Thy-1.2 antigen, CD90.2, Thy-1.2

**Background:** CD90.2 is a 25-35 kD immunoglobulin superfamily member also known as Thy1.2. It is expressed on hematopoietic stem cells and neurons, all thymocytes, and peripheral T cells in Thy1.2 bearing mouse strains (Balb/c, CBA/J, C3H/He, C57BL/-, DBA, NZB/-). CD90.2 is a glycosylphosphatidylinositol (GPI)-anchored membrane glycoprotein involved in signal transduction. CD90.2 is involved in costimulation of lymphocyte proliferation and induction of hematopoietic stem cells differentiation. CD90.2 has

been shown to interact with CD45. The 30H12 antibody has been reported to induce  $\text{Ca}^{2+}$  flux in thymocytes and, in combination with antibody against the CD3/TCR complex, promote thymocyte apoptosis and inhibit CD3-mediated proliferative responses of mature T lymphocytes.

**Form:** Liquid

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

**Size:** 25 $\mu\text{g}$ /100 $\mu\text{g}$

**Host:** Rat

**Reactivity:** Mouse

**Application:** FCM,IHC

**Concentration:** 0.5 mg/mL

**Conjugation:** Unconjugated

**SwissProt:** P01831

**Buffer:** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

### Recommended Use:

Each lot of this antibody is quality control tested by flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is  $\leq 2.0 \mu\text{g}$  per  $10^6$  cells in 100  $\mu\text{L}$  volume or 100  $\mu\text{L}$  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. Do not freeze.

This product is guaranteed up to one year from purchase.