



A Reliable Research Partner in Life Science and Medicine

## PerCP Anti-Mouse CD90.2/Thy1.2 Antibody[30H12]

Catalog Number: E-AB-F1094F

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Mouse Rat Host

Isotype Rat IgG2b, ĸ Clone No. 30H12

PerCP Rat IgG2b, K Isotype Control[LTF-2] [Product E-AB-F09842F] Isotype Control

PerCP Conjugation

**Conjugation Information** PerCP is designed to be excited by the blue laser (488 nm) and detected using an optical

filter centered near 675 nm (e.g., a 690/50 nm bandpass filter).

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

**Applications** Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. The amount **FCM** 

> of the reagent is suggested to be used 5 µL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for

individual use.

**Preparation & Storage** 

Storage Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

exposure to light and do not freeze.

**Shipping** Ice bag

**Antigen Information** 

**Alternate Names** CD90.2;Thy-1.2;Thy-1.2 antigen;Thy-1.2 membrane glycoprotein;Thy1.2

Gene ID 21838

**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 Ca2+ 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.

Tel: 1-832-243-6086 Fax: 1-832-243-6017 Toll-free: 1-888-852-8623 Web:www.elabscience.com

Email:techsupport@elabscience.com