

For Research Use Only

# Anti-Mouse CD90.2 (30-H12) Rat Recombinant Antibody, PBS Only

Catalog Number: 65656-1-PBS



## Basic Information

Catalog Number:

65656-1-PBS

Size:

1mg, 3 mg/ml

Source:

Rat

Isotype:

IgG2a

GenBank Accession Number:

BC054436

GeneID (NCBI):

21838

UNIPROT ID:

P01831

Full Name:

thymus cell antigen 1, theta

Purification Method:

Protein A purification

CloneNo.:

30-H12

## Applications

Tested Applications:

FC

Species Specificity:

mouse

## Background Information

CD90 (Thy-1) is a 25 kDa, GPI-linked membrane glycoprotein that belongs to immunoglobulin superfamily (PMID: 6177036; 6153212). Originally described as a brain thymus cross-reactive antigen, it is found in large quantities on mouse and rat thymocytes and central nervous system cells (PMID: 83175). CD90 has been postulated to be involved in cellular recognition, adherence, and T cell activation (PMID: 7683034). Mouse CD90 (Thy-1) is defined as a differentiation alloantigen, represented as two serologically distinguishable allelic forms, designated CD90.1 (Thy-1.1) and CD90.2 (Thy-1.2) (PMID: 83175). CD90.2 is expressed by thymocytes, T cells, neurons and hematopoietic stem cells in most strains of mice (C3H, BALB/c, C57BL/6, DBA, and others), whereas CD90.1 is expressed in some mouse strains like AKR (PMID: 5919593).

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

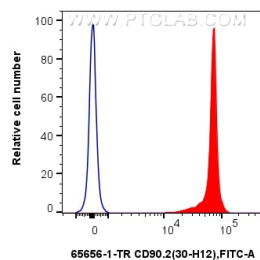
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## Selected Validation Data



$1 \times 10^6$  C57BL/6 mouse thymocytes were surface stained with 0.25  $\mu$ g Anti-Mouse CD90.2 (30-H12) Rat RecAb (65656-1-TR, Clone: 30-H12) (red) or 0.25  $\mu$ g Isotype Control (blue), and Fluorescein (FITC)-conjugated Goat Anti-Mouse IgG(H+L). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. This data was developed using the same antibody clone with 65656-1-PBS in a different storage buffer formulation.