

For Research Use Only

# CoraLite® Plus 405 Anti-Mouse CD90.2 (30-H12)



Catalog Number: **CL405-65088**

## Basic Information

Catalog Number:

CL405-65088

Size:

100ug , 0.5 mg/ml

Source:

Rat

Isotype:

IgG2b, kappa

GenBank Accession Number:

BC054436

GeneID (NCBI):

21838

Full Name:

thymus cell antigen 1, theta

Purification Method:

Affinity purification

CloneNo.:

30-H12

Excitation/Emission maxima wavelengths:

399 nm / 422 nm

## 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 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide.

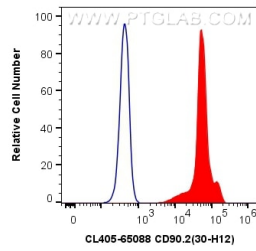
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## Selected Validation Data



1X10<sup>6</sup> mouse thymocytes were surface stained with 0.5 ug CoraLite® Plus 405 Anti-Mouse CD90.2 (CL405-65088, Clone:30-H12) (red) or 0.5 ug Control Antibody. Cells were not fixed.