

For Research Use Only

# CoraLite® Plus 750 Anti-Mouse CD90.2 (30-H12)

Catalog Number: CL750-65088



## Basic Information

### Catalog Number:

CL750-65088

### 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

### Recommended Dilutions:

FC: 0.5 ug per 10<sup>6</sup> cells in 100 µl suspension

### Excitation/Emission maxima wavelengths:

755 nm / 780 nm

## Applications

### Tested Applications:

FC

### Species Specificity:

Mouse

### Positive Controls:

FC : mouse thymocytes,

## 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, pH7.3

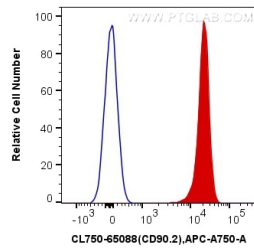
For technical support and original validation data for this product please contact:

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## Selected Validation Data



1X10<sup>6</sup> mouse thymocytes were surface stained with 0.5 ug CoraLite® Plus 750 Anti-Mouse CD90.2 (CL750-65088, Clone: 30-H12) (red), or 0.5 ug Control Antibody. Cells were not fixed.