

For Research Use Only

# FITC Anti-mouse CD90.2 (30-H12)



Catalog Number: FITC-65088

1 Publications

## Basic Information

<b>Catalog Number:</b> FITC-65088	<b>GenBank Accession Number:</b> BC054436	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100ug, Concentration: 0.5 mg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 21838	<b>CloneNo.:</b> 30-H12
<b>Source:</b> Rat	<b>Full Name:</b> thymus cell antigen 1, theta	
<b>Isotype:</b> IgG2b		

## Applications

**Tested Applications:**  
FC

**Cited Applications:**  
FC

**Species Specificity:**  
Mouse

**Cited Species:**  
rat

## 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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Hongping Yu	32135036	J Cell Mol Med	FC

## Storage

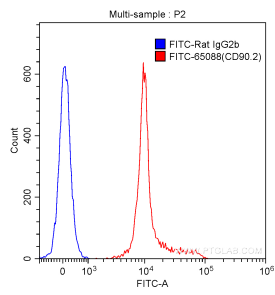
**Storage:**  
Store at 2-8°C. Avoid exposure to light.

**Storage Buffer:**  
Phosphate based buffer with 0.09% sodium azide and 0.1% gelatin, pH 7.2.

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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## Selected Validation Data



1X10<sup>6</sup> BALB/c mouse thymocytes were surface stained with 0.125 ug FITC-Anti-Mouse CD90.2 (FITC-65088, Clone: 30-H12) (red) or isotype control antibody (blue). Samples were not fixed.