

For Research Use Only

Anti-Mouse CD90.2 (30-H12)

Catalog Number: 65088-1-Ig **1 Publications**



Basic Information

Catalog Number: 65088-1-Ig	GenBank Accession Number: BC054436	Purification Method: Affinity purification
Size: 100ug, 500 µg/ml	GeneID (NCBI): 21838	CloneNo.: 30-H12
Source: Rat	Full Name: thymus cell antigen 1, theta	
Isotype: IgG2b, kappa		

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
Bin Hu	36793308	Regen Ther	FC

Storage

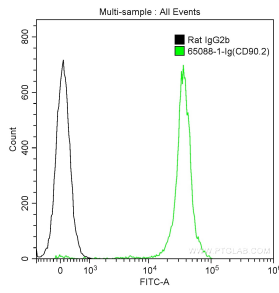
Storage:
Store at 2-8°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.1% sodium azide, pH 7.3.

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



1×10^6 BALB/c mouse thymocytes were surface stained with 1 μ g Anti-Mouse CD90.2 (65088-1-Ig, Clone: 30-H12) and Fluorescein (FITC)-conjugated Affinipure Goat Anti-Rat IgG(H+L) at dilution 1:1000 (green), or stained with 1 μ g Rat IgG2b Isotype Control and Fluorescein (FITC)-conjugated Affinipure Goat Anti-Rat IgG(H+L) at dilution 1:1000 (black). Cells were not fixed.