

For Research Use Only

FITC Plus Anti-Mouse CD90.2 (30-H12)



Catalog Number: **FITC-65088**

2 Publications

Basic Information

Catalog Number: FITC-65088	GenBank Accession Number: BC054436	Purification Method: Affinity purification
Size: 100ug, 0.5 mg/mL	GeneID (NCBI): 21838	CloneNo.: 30-H12
Source: Rat	UNIPROT ID: P01831	Excitation/Emission maxima wavelengths: 495 nm / 524 nm
Isotype: IgG2b, kappa	Full Name: thymus cell antigen 1, theta	

Applications

Tested Applications:
FC

Cited Applications:
FC

Species Specificity:
Mouse

Cited Species:
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).

Notable Publications

Author	Pubmed ID	Journal	Application
Junjie Liu	34707701	Exp Ther Med	FC
Xiaoyu Yang	35765096	Stem Cell Res Ther	FC

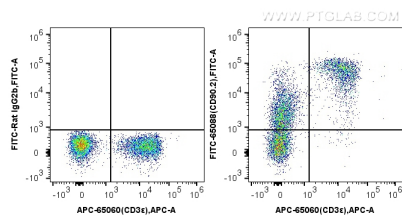
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide.

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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Selected Validation Data



1X10⁶ mouse splenocytes were surface co-stained with Anti-Mouse CD3 ϵ and 0.25 μ g FITC Anti-Mouse CD90.2 (FITC-65088, Clone:30-H12) or 0.25 μ g Control Antibody. Cells were not fixed.