

For Research Use Only

PE Anti-Mouse CD90.2 (30-H12)

Catalog Number: PE-65088



Basic Information

Catalog Number: PE-65088	GenBank Accession Number: BC054436	Purification Method: Affinity purification
Size: 100ug, 0.2 mg/ml	GeneID (NCBI): 21838	CloneNo.: 30-H12
Source: Rat	Full Name: thymus cell antigen 1, theta	Excitation/Emission maxima wavelengths: 496 nm, 565 nm / 578 nm
Isotype: IgG2b, kappa		

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

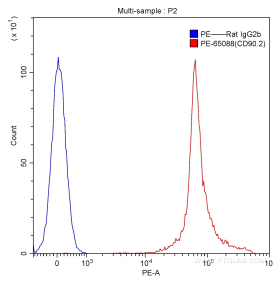
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
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
W: ptglab.com

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Selected Validation Data



1×10^6 C57BL/6 mouse thymocytes were surface stained with 0.15 μ g PE-Anti-Mouse CD90.2 (PE-65088, Clone:30-H12) (red) or 0.15 μ g isotype control antibody (blue). Cells were not fixed.