

For Research Use Only

CoraLite® Plus 647 Anti-Mouse CD90.2 (30-H12)



Catalog Number: CL647-65088

Basic Information

Catalog Number: CL647-65088	GenBank Accession Number: BC054436	Purification Method: Affinity purification
Size: 100ug, 0.5 mg/ml	GeneID (NCBI): 21838	CloneNo.: 30-H12
Source: Rat	Full Name: thymus cell antigen 1, theta	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2b, kappa		Excitation/Emission maxima wavelengths: 654 nm / 674 nm

Applications

Tested Applications: FC, IF	Positive Controls: IF : BALB/c mouse splenocytes,
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).

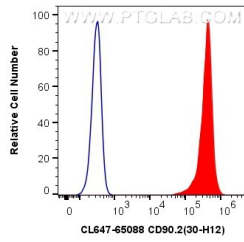
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.1% sodium azide and 0.5% BSA, pH 7.3.

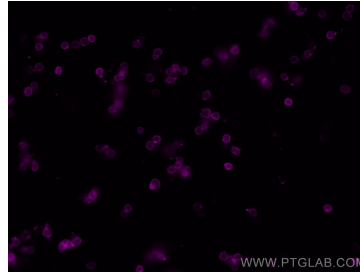
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ BALB/c mouse thymocytes were surface stained with 0.5 ug CoraLite® Plus 647 Anti-Mouse CD90.2 (CL647-65088, Clone:30-H12) (red), or 0.5 ug Control Antibody. Cells were not fixed.



Immunofluorescent analysis of BALB/c mouse splenocytes using CoraLite® Plus 647 CD90.2 antibody (CL647-65088, Clone: 30-H12) at dilution of 1:100.