

For Research Use Only

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



Catalog Number: CL647-65088

Basic Information

Catalog Number:

CL647-65088

Size:

100ug, 0.5 mg/ml

Source:

Rat

Isotype:

IgG2b, kappa

GenBank Accession Number:

BC054436

GeneID (NCBI):

21838

Full Name:

thymus cell antigen 1, theta

Purification Method:

Affinity purification

CloneNo.:

30-H12

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

Applications

Tested Applications:

FC, IF/ICC

Species Specificity:

Mouse

Positive Controls:

IF : BALB/c mouse splenocytes,

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:

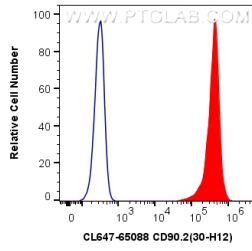
T: 4006900926

E: Proteintech-CN@ptglab.com

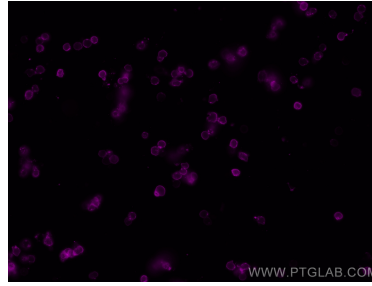
W: ptgcn.com

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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.