

For Research Use Only

CoraLite® Plus 488 Anti-Mouse CD90.2 (30-H12)



Catalog Number: **CL488-65088**

Basic Information

Catalog Number:

CL488-65088

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/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF, FC

Species Specificity:

Mouse

Positive Controls:

IF/ICC : 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.

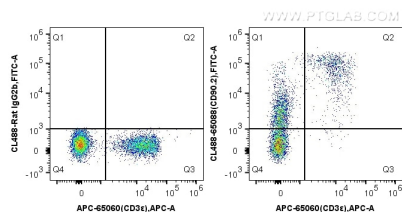
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

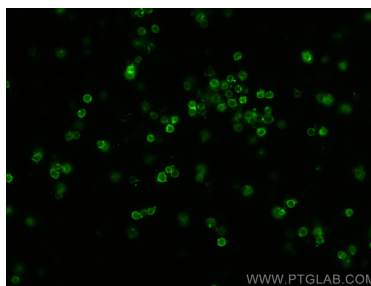
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1X10⁶ mouse splenocytes were surface co-stained with APC Anti-Mouse CD3ε (145-2C11) and 0.25 ug CoraLite® Plus 488 Anti-Mouse CD90.2 (CL488-65088, Clone:30-H12) or 0.25 ug isotype control. Cells were not fixed.



Immunofluorescent analysis of BALB/c mouse splenocytes using CoraLite® Plus 488 CD90.2 antibody (CL488-65088, Clone: 30-H12) at dilution of 1:100.