

For Research Use Only

Anti-Mouse CD90.2 (30-H12)

Catalog Number: 65088-1-Ig **1 Publications**



Basic Information

Catalog Number:

65088-1-Ig

Size:

500ug , 500 µg/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:

FC: 1 ug per 10⁶ cells in 100 µl suspension

Applications

Tested Applications:

FC

Cited Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : mouse thymocytes,

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
Bin Hu	36793308	Regen Ther	FC

Storage

Storage:

Store at 2-8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

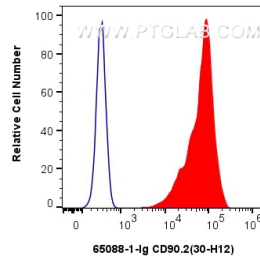
For technical support and original validation data for this product please contact:

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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 C57BL/6 mouse thymocytes were surface stained with 1 ug Anti-Mouse CD90.2 (65088-1-Ig, Clone: 30-H12) (red) or 1 ug Rat IgG2b Isotype Control (LTF-2) (65211-1-Ig, Clone: LTF-2) (blue), and FITC anti-Rat IgG2b Antibody at dilution 1:100. Cells were not fixed.