

# Anti-human CD90 THY1 Monoclonal Antibody Biotin Conjugated, Flow Validated

Catalog Number: FC01818-Biotin

## Introduction

The antibody is directed against Thy-1 present in human brain, with small amounts in kidney. The 23.5kD a Thy-1 antigen is absent from human thymocytes and peripheral lymphocytes. Thymus, lymph node and spleen have small populations of Thy-1 positive cells.

This antibody is routinely tested by flow cytometric analysis. Flow cytometry and other applications were tested during antibody development by CapricoBio or are reported in the literature.

## Application Information

Each lot of this antibody has been quality control tested by flow cytometric analysis of human PBMCs. For flow cytometric staining, the recommended dose of this antibody is 0.5ug per 1x10<sup>6</sup> cells in 100ul of staining volume followed by any fluorochrome conjugated streptavidin. It is strongly suggested that the antibody reactivity be empirically titrated for optimal performance in the application of interest.

## Overview

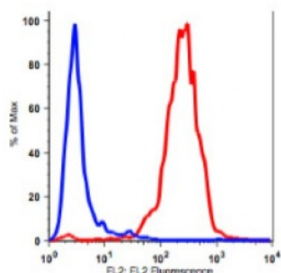
Product Name	Anti-human CD90 THY1 Monoclonal Antibody Biotin Conjugated, Flow Validated
Reactive Species	Human
Description	Boster Bio Anti-human CD90 THY1 Monoclonal Antibody Biotin Conjugated, Flow Validated (Catalog# FC01818-Biotin). Tested in Flow Cytometry application(s). This antibody reacts with Human.
Conjugate	Biotin
Application	Flow Cytometry
Clonality	Monoclonal Clone: F15-42-1
Formulation	PBS pH 7.2, 0.09% sodium azide
Storage Instructions	Store at 2-8°C. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	P04216

## Technical Details

Immunogen	Purified human brain Thy-4
Isotype	IgG1,k

Form	Liquid
Concentration	0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Protein A purified
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>User needs to optimize the dilution ratio for this antibody.</p>

## Anti-human CD90 THY1 Monoclonal Antibody Biotin Conjugated, Flow Validated (FC01818-Biotin) Images



Jurkat E6.1 cell lines stained with biotin conjugated anti-human CD90 (clone F15-42--5) followed by SA-PE (red histogram). Jurkat E6.1 cells stained with biotin conjugated mouse IgG1 isotype control followed by staining with SA-PE (Blue histogram).

## 2 Publications Citing This Product

1. PubMed ID: 28341839, Therapeutic efficacy of neural stem cells originating from umbilical cord-derived mesenchymal stem cells in diabetic retinopathy

2. PubMed ID: 24820950, Li F, Xu Y, Xu X, Xu B, Zhao J, Zhang X. Mol Med Rep. 2014 Jul;10(1):322-8. Doi: 10.3892/Mmr.2014.2220. Epub 2014 May 8. Fms-Related Tyrosine Kinase??3 Ligand Promotes Proliferation Of Placenta Amnion And Chorion Mesenchymal Stem Cells In??vitro.

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