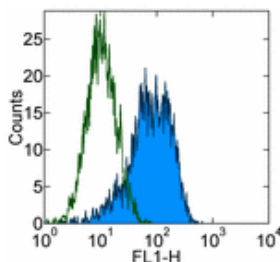


## Anti-Human CD90 (Thy-1) Purified

Catalog Number: 14-0909

Also Known As: Thy1

RUO: For Research Use Only



Staining of human erythroleukemia (HEL) cell line with 0.25 µg of Mouse IgG1 κ Isotype Control Purified (cat. 14-4714) (open histogram) or 0.25 µg of Anti-Human CD90 (Thy-1) Purified (filled histogram) followed by Anti-Mouse IgG FITC (cat. 11-4011). Total viable cells were used for analysis.

### Product Information

Contents: Anti-Human CD90 (Thy-1) Purified

**REF** Catalog Number: 14-0909

Clone: eBio5E10 (5E10)

Concentration: 0.5 mg/ml

Host/Isotype: Mouse IgG1, κ

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains Azide

### Description

The eBio5E10 monoclonal antibody reacts with human CD90, also known as Thy-1 (thymus cell antigen-1). CD90 is a 25-35 kD receptor expressed on thymocytes, CD34+ prothymocytes, hematopoietic stem cells, neurons, a small subset of human fetal liver cells, cord blood cells, and bone marrow cells. CD90 is expressed on a subset of immature, CD34+ cells and a distinct subset of mature CD34- cells that are CD3+CD4+. The CD90+CD34+ population is enriched for cells capable of long-term culture. CD90 is involved in regulation of adhesion and signal transduction by T cells.

### Applications Reported

This eBio5E10 (5E10) antibody has been reported for use in flow cytometric analysis, immunoprecipitation, immunoblotting (WB), and immunohistology staining of frozen tissue sections.

### Applications Tested

This eBio5E10 (5E10) antibody has been tested by flow cytometric analysis of human erythroleukemia (HEL) cells. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### References

Craig W, Kay R, Cutler RL, Lansdorf PM. Expression of Thy-1 on human hematopoietic progenitor cells. *J Exp Med*. 1993 May 1;177(5):1331-42. (5E10, mAb development, FC, WB, IP, PubMed)

Mayani H, Lansdorf PM. Thy-1 expression is linked to functional properties of primitive hematopoietic progenitor cells from human umbilical cord blood. *Blood*. 1994 May 1;83(9):2410-7. (5E10, FC, PubMed)

Hung JT, Liao JH, Lin YC, Chang HY, Wu SF, Chang TH, Kung JT, Hsieh SL, McDewitt H, Sytwu HK. Immunopathogenic role of TH1 cells in autoimmune diabetes: evidence from a T1 and T2 doubly transgenic non-obese diabetic mouse model. *J Autoimmun*. 2005 Nov;25(3):181-92. (5E10, IHC, FC, PubMed)

### Related Products

11-4011 Anti-Mouse IgG FITC

11-4317 Streptavidin FITC

12-4317 Streptavidin PE

13-4013 Anti-Mouse IgG Biotin (Polyclonal)

14-0901 Anti-Mouse CD90 (Thy-1) Purified (G7)

14-4714 Mouse IgG1 K Isotype Control Purified  
17-4317 Streptavidin APC

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