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Anti-Human CD90 (Thy-1) FITC

Catalog Number: 11-0909
Also Known As:Thy1
RUO: For Research Use Only

Product Information

Contents: Anti-Human CD90 (Thy-1) FITC
REF Catalog Number: 11-0909
Clone: eBio5E10 (5E10)
Concentration: 5 µl (1.0 µg)/test
Host/Isotype: Mouse IgG1, κ

Formulation: Phosphate buffered saline, pH 7.2, less than or equal to 0.09% NaN_3, BSA and/or gelatin for protein stabilization
Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.
LOT 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

For research use only, not for diagnostic or therapeutic use. This eBio5E10 (5E10) antibody has been reported for use in flow cytometric analysis.

Applications Tested

This eBio5E10 (5E10) antibody has been pre-titrated and tested by flow cytometric analysis of human erythroleukemia (HEL) cells. This can be used at 5 µl (1.0 µg)/per test. A test is defined as the amount (µg)/test 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 10^5 to 10^8 cells/test.

References

Craig W, Kay R, Cutler RL, Lansdorp 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, Lansdorp 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, McDevitt 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

11-4714 Mouse IgG1 K Isotype Control FITC

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