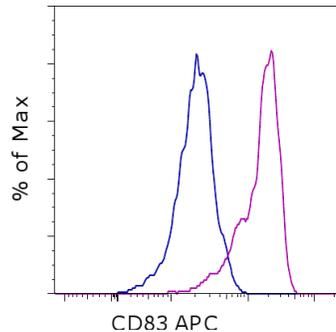


Anti-Human CD83 APC

Catalog Number: 17-0839

RUO: For Research Use Only. Not for use in diagnostic procedures.



Normal human monocytes were enriched and stimulated with Human GM-CSF, IL-4 and TNF alpha Recombinant Proteins for 7 days, then stained with Mouse IgG1 kappa Isotype Control APC (cat. 17-4714) (blue histogram) or Anti-Human CD83 APC (purple histogram). Cells in the large scatter population were used for analysis.

Product Information

Contents: Anti-Human CD83 APC
Catalog Number: 17-0839
Clone: HB15e
Concentration: 5 μ L (0.5 μ g)/test
Host/Isotype: Mouse IgG1, kappa
HLDA Workshop: IV T085



Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.
Batch Code: Refer to vial
Use By: Refer to vial

Description

The HB15e monoclonal antibody reacts with human CD83, a 45 kDa transmembrane glycoprotein. CD83, a member of the Ig superfamily, is expressed on cultured dendritic cells, interdigitating, follicular, and circulating dendritic cells as well as some proliferating lymphocytes, and human cell lines express this antigen. While the function of CD83 is unclear, it can serve as a useful marker for mature human blood dendritic cells.

Applications Reported

This HB15e antibody has been reported for use in flow cytometric analysis.

Applications Tested

This HB15e antibody has been pre-titrated and tested by flow cytometric analysis of human dendritic cells. This can be used at 5 μ L (0.5 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

References

Zhou, L. J. and T. F. Tedder. 1996. CD14+ blood monocytes can differentiate into functionally mature CD83+ dendritic cells. Proc Natl Acad Sci U S A 93(6): 2588-92.

Zhou, L. J. and T. F. Tedder. 1995. A distinct pattern of cytokine gene expression by human CD83+ blood dendritic cells. Blood 86(9): 3295-301.

Zhou, L. J. and T. F. Tedder. 1995. Human blood dendritic cells selectively express CD83, a member of the immunoglobulin superfamily. J Immunol 154(8): 3821-35.

Related Products

17-4714 Mouse IgG1 K Isotype Control APC (P3.6.2.8.1)

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