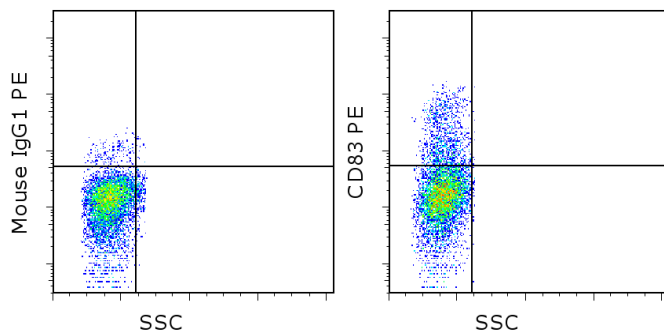


Anti-Human CD83 PE

Catalog Number: 12-0839

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



Staining of 1-day PHA-stimulated normal human peripheral blood cells with Mouse IgG1 K Isotype Control PE (cat. 12-4714) (left) or PE Anti-Human CD83 PE (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD83 PE
Catalog Number: 12-0839
Clone: HB15e
Concentration: 5 μ L (0.25 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
Caution, contains Azide

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

The 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 peripheral blood leukocytes. This can be used at 5 μ L (0.25 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

12-4714 Mouse IgG1 K Isotype Control PE (P3.6.2.8.1)

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