
Anti-Human CD83 Purified

Catalog Number: 14-0839

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

Product Information

Contents: Anti-Human CD83 Purified

REF **Catalog Number:** 14-0839

Clone: HB15e

Concentration: 0.5 mg/mL


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.

LOT **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

The HB15e antibody has been tested by flow cytometric analysis of human peripheral blood-derived dendritic cells. This can be used at less than or equal to 1 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

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

11-4011 Anti-Mouse IgG FITC

14-4714 Mouse IgG1 K Isotype Control Purified (P3.6.2.1)

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