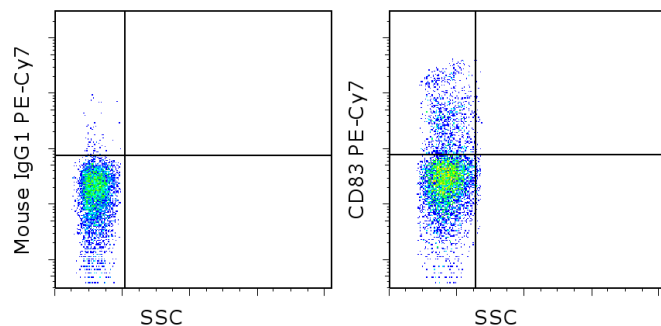


Anti-Human CD83 PE-Cyanine7

Catalog Number: 25-0839

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-Cyanine7 (cat. 25-4714) (left) or Anti-Human CD83 PE-Cyanine7 (right). Total viable cells were used for analysis.

Product Information



Contents: Anti-Human CD83 PE-Cyanine7

Catalog Number: 25-0839

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. This tandem dye is sensitive to photo-induced oxidation. Protect this vial from light during storage, handling & experimental procedures.



Batch Code: Refer to vial



Use By: Refer to vial



Contains sodium 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

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 normal human peripheral blood cells. 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.

Light sensitivity: This tandem dye is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 μ L cell sample + 100 μ L IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

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.

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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

25-4714 Mouse IgG1 K Isotype Control PE-Cyanine7 (P3.6.2.8.1)

Legal

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