

CD83 Monoclonal Antibody (HB15e), FITC, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	HB15e
Conjugate	FITC
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin, 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_1633400

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (1 µg)/test	9 Publications

Product Specific Information

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.

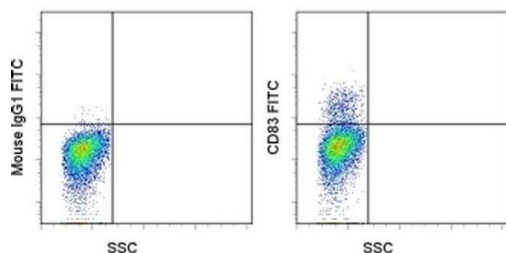
Applications Reported: The HB15e antibody has been reported for use in flow cytometric analysis.

Applications Tested: This HB15e antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (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.

Excitation: 488 nm; **Emission:** 520 nm; **Laser:** Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD83 Monoclonal Antibody (HB15e), FITC, eBioscience™



CD83 Antibody (11-0839-42) in Flow

Staining of 1 day PHA-stimulated human peripheral blood cells with Mouse IgG1 K Isotype Control FITC (Product # 11-4714-42) (left) or Anti-Human CD83 FITC (right). Cells in the lymphocyte gate were used for analysis.

[View more figures on thermofisher.com](#)

9 References

Flow Cytometry (9)

Protein & cell

Contact-dependent delivery of IL-2 by dendritic cells to CD4 T cells in the contraction phase promotes their long-term survival.

"Published figure using CD83 monoclonal antibody (Product # 11-0839-42) in Flow Cytometry"

Authors: Tong D,Zhang L,Ning F,Xu Y,Hu X,Shi Y

Species

Not Applicable

Dilution

Not Cited

Year

2020

Frontiers in immunology

Dexamethasone and Monophosphoryl Lipid A Induce a Distinctive Profile on Monocyte-Derived Dendritic Cells through Transcriptional Modulation of Genes Associated With Essential Processes of the Immune Response.

"11-0839 was used in Flow cytometry/Cell sorting to study the transcriptional profile of monocyte-derived dendritic cells from healthy subjects to identify molecular regulators and pathways associated with the induction of tolerogenic properties in tolerogenic dendritic cells."

Authors: García-González PA,Schinnerling K,Sepúlveda-Gutiérrez A,Maggi J,Mehdi AM,Nel HJ,Pesce B,Larrondo ML,Aravena O,Molina MC,Catalán D,Thomas R,Verdugo RA,Aguilón JC

Species

Human

Dilution

Not Cited

Year

2019

[View more Flow references on thermofisher.com](#)

More applications with references on thermofisher.com

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