

CD83 Monoclonal Antibody (HB15e), APC, 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), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	HB15e
Conjugate	APC
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_2043852

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.5 µg)/test	4 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.

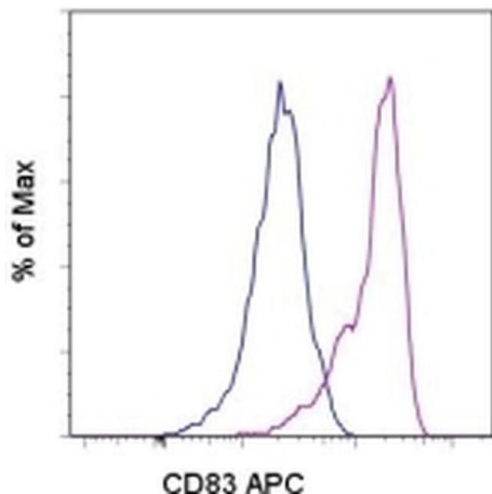
Applications Reported: This HB15e antibody has been reported for use in flow cytometric analysis.

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 µL (0.5 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: 633-647 nm; **Emission:** 660 nm; **Laser:** Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD83 Antibody (17-0839-42) in Flow

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 (Product # 17-4714-81) (blue histogram) or Anti-Human CD83 APC (purple histogram). Cells in the large scatter population were used for analysis.

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

4 References

Flow Cytometry (4)

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 # 17-0839-42) in Flow Cytometry"

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

Species

Not Applicable

Dilution

Not Cited

Year

2020

Viruses

Herpes Simplex Virus Type-2 Paralyzes the Function of Monocyte-Derived Dendritic Cells.

"17-0839 was used in Flow cytometry/Cell sorting to investigate whether HSV-2 also modulates distinct hallmarks of DC biology."

Authors: Grosche L,Mühl-Zürbes P,Ciblis B,Krawczyk A,Kuhnt C,Kamm L,Steinkasserer A,Heilingloh CS

Species

Human

Dilution

Not Cited

Year

2020

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

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