

CD83 Monoclonal Antibody (HB15e), PE, 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), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	HB15e
Conjugate	PE
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_10718974

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	12 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.

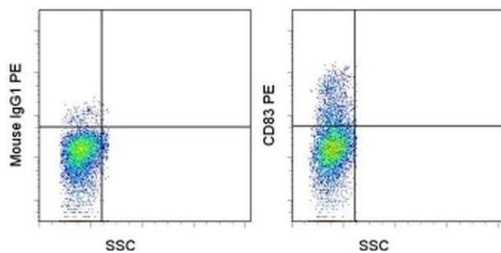
Applications Reported: The HB15e antibody has been reported for use in flow cytometric analysis.

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 (0.25 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: 488-561 nm; **Emission:** 578 nm; **Laser:** Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD83 Antibody (12-0839-42) in Flow

Staining of 1-day PHA-stimulated normal human peripheral blood cells with Mouse IgG1 K Isotype Control PE (Product # 12-4714-81) (left) or PE Anti-Human CD83 PE (right). Cells in the lymphocyte gate were used for analysis.

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

12 References

Flow Cytometry (12)

Frontiers in immunology

ATP Release from Chemotherapy-Treated Dying Leukemia Cells Elicits an Immune Suppressive Effect by Increasing Regulatory T Cells and Tolerogenic Dendritic Cells.

"12-0839 was used in Flow cytometry/Cell sorting to study the effect of ATP release in acute myeloid lymphoma on the generation of an immune suppressive microenvironment."

Authors: Lecciso M, Ocadlikova D, Sangaletti S, Trabanelli S, De Marchi E, Orioli E, Pegoraro A, Portararo P, Jandus C, Bontadini A, Redavid A, Salvestrini V, Romero P, Colombo MP, Di Virgilio F, Cavo M, Adinolfi E, Curti A

Species
Human

Dilution
Not Cited

Year
2022

Frontiers in immunology

Endogenous Expression of the Human CD83 Attenuates EAE Symptoms in Humanized Transgenic Mice and Increases the Activity of Regulatory T Cells.

"12-0839 was used in Flow cytometry/Cell sorting to provide preclinical tools to guide the function of CD83/sCD83 for therapeutic purposes by generating Bacterial Artificial Chromosomes transgenic mice."

Authors: Zinser E, Naumann R, Wild AB, Michalski J, Deinzer A, Stich L, Kuhnt C, Steinkasserer A, Knippertz I

Species
Human

Dilution
Not Cited

Year
2020

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

More applications with references on thermofisher.com

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