CD45RA Monoclonal Antibody (HI100), Alexa Fluor™ 700, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Host/Isotype	Mouse / IgG2b, kappa
Recommended Isotype Control	Mouse IgG2b kappa Isotype Control (eBMG2b), Alexa Fluor™ 700, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	HI100
Conjugate	Alexa Fluor™ 700
Excitation/Emission Max	696/719 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2811889

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	4 Publications

Product Specific Information

Description: The HI100 monoclonal antibody reacts with human CD45RA, a 220 kDa molecule expressed by subpopulations of CD4+ peripheral T lymphocytes, CD8+ peripheral T lymphocytes, and B cells. The CD45RA+ T cell populations are mainly naive/virgin allowing the use of HI100 mAb as a phenotypic marker to discriminate T cell subsets.

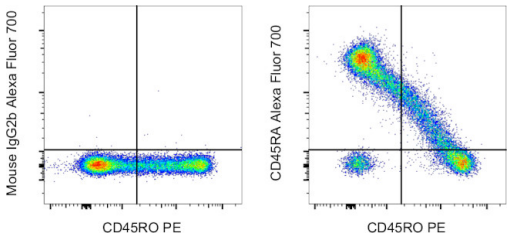
Applications Reported: This HI100 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This HI100 antibody has been pre-diluted and tested by flow cytometric analysis of normal human peripheral blood cells. This may 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 10^5 to 10^8 cells/test.

Alexa Fluor 700 emits at 723 nm and can be excited with the red laser (633-647 nm). Most instruments will require a 685 LP mirror and 710/20 band pass filter. Please make sure that your instrument is capable of detecting this fluorochrome.

Excitation: 633-647 nm; Emission: 723 nm; Laser: Red Laser

Product Images For CD45RA Monoclonal Antibody (HI100), Alexa Fluor™ 700, eBioscience™



CD45RA Antibody (56-0458-42) in Flow
Normal human peripheral blood cells were stained with CD45RO Monoclonal Antibody, PE (Product # 12-0457-42) and Mouse IgG2b kappa Isotype Control, Alexa Fluor 700 (Product # 56-4732-80) (left) or CD45RA Monoclonal Antibody, Alexa Fluor 700 (right). Cells in the lymphocyte gate were used for analysis.

View more figures on thermofisher.com

4 References

Flow Cytometry (4)

Frontiers in immunology

Differences in Maturation Status and Immune Phenotypes of Circulating Helios^{+} and Helios^{-} Tregs and Their Disrupted Correlations With Monocyte Subsets in Autoantibody-Positive T1D Individuals.

Year
2021

"Published figure using CD45RA monoclonal antibody (Product # 56-0458-42) in Flow Cytometry"

Authors: Zhang Y,Zhang J,Shi Y,Shen M,Lv H,Chen S,Feng Y,Chen H,Xu X,Yang T,Xu K

The Journal of experimental medicine

Heterogeneous disease-propagating stem cells in juvenile myelomonocytic leukemia.

Year
2021

"Published figure using CD45RA monoclonal antibody (Product # 56-0458-42) in Flow Cytometry"

Authors: Louka E,Povinelli B,Rodriguez-Meira A,Buck G,Wen WX,Wang G,Sousos N,Ashley N,Hamblin A,Booth CAG, Roy A,Elliott N,Iskander D,de la Fuente J,Fordham N,O'Byrne S,Inglott S,Norfo R,Salio M,Thongjuea S,Rao A,Roberts I, Mead AJ

View more Flow references on thermofisher.com

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