

CD45RA Monoclonal Antibody (HI100), Alexa Fluor™ 532, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Host/Isotype	Mouse / IgG2b, kappa
Class	Monoclonal
Type	Antibody
Clone	HI100
Conjugate	Alexa Fluor™ 532
Excitation/Emission Max	534/553 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_2815272

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.5 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.

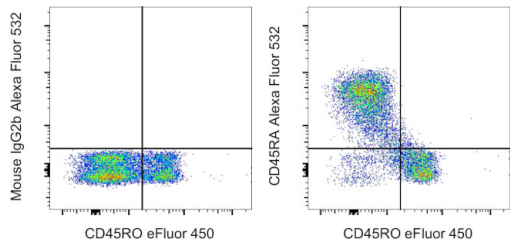
Applications Reported: This HI100 antibody has been reported for use in flow cytometric analysis.

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 (0.5 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.

Alexa Fluor 532 is excited with the Green laser (532 nm) and emits at 561 nm. This cannot be used with the Yellow-Green laser (561 nm). We recommend using a 560/14 band pass filter. Please make sure that your instrument is capable of detecting this fluorochrome.

Excitation: 532 nm; Emission: 561 nm; Laser: Green Laser

Product Images For CD45RA Monoclonal Antibody (HI100), Alexa Fluor™ 532, eBioscience™



CD45RA Antibody (58-0458-42) in Flow
Normal human peripheral blood cells were stained with CD45RO Monoclonal Antibody, eFluor 450 (Product # 48-0457-42) and Mouse IgG2b kappa Isotype Control, Alexa Fluor 532 (Product # 58-4732-81) (left) or CD45RA Monoclonal Antibody, Alexa Fluor 532 (right). Cells in the lymphocyte gate were used for analysis.

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4 References

Flow Cytometry (4)

Frontiers in immunology	Year 2021
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.	
"Published figure using CD45RA monoclonal antibody (Product # 58-0458-42) 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	Year 2021
Heterogeneous disease-propagating stem cells in juvenile myelomonocytic leukemia.	
"Published figure using CD45RA monoclonal antibody (Product # 58-0458-42) 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,Ingloft S,Norfo R,Salio M,Thongjuea S,Rao A,Roberts I, Mead AJ	

View more Flow references on thermofisher.com

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