

CD45RA Monoclonal Antibody (HI100), PerCP-Cyanine5.5, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG2b, kappa
Recommended Isotype Control	Mouse IgG2b kappa Isotype Control (eBMG2b), PerCP-Cyanine5.5, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	HI100
Conjugate	PerCP-Cyanine5.5
Excitation/Emission Max	489/679 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_10718536

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.06 µg)/test	20 Publications

Product Specific Information

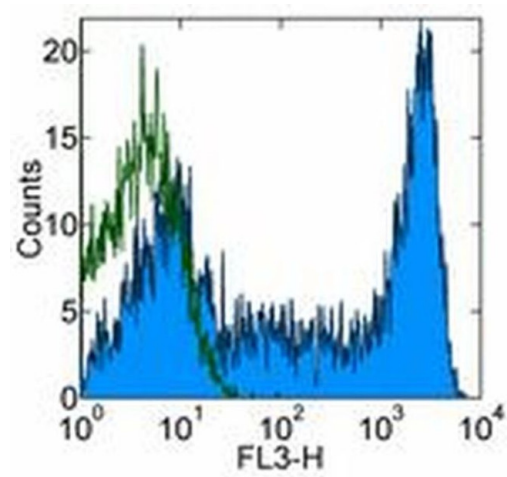
Description: The HI100 monoclonal antibody reacts with human CD45RA, a 220 kDa molecule expressed by subpopulations of CD4+ peripheral T lymphocytes, CD8+ peripheral T lymphocytes, and B cells. The CD45RA+ T cell populations are mainly naive/virgin allowing the use of HI100 mAb as a phenotypic marker 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-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.06 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:** 695 nm; **Laser:** Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.



CD45RA Antibody (45-0458-42) in Flow
Staining of normal human peripheral blood cells with Mouse IgG2b K Isotype Control PerCP-Cyanine5.5 (Product # 45-4732-82) (open histogram) or Anti-Human CD45RA PerCP-Cyanine5.5 (filled histogram). Cells in the lymphocyte gate were used for analysis.

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📖 20 References

Flow Cytometry (20)

Cells		Year
Characterization of T Follicular Helper Cells and T Follicular Regulatory Cells in HIV-Infected and Sero-Negative Individuals.		2023
"45-0458-42 was used in Flow cytometry/Cell sorting to identify cytokines in peripheral blood T follicular helper cells and T follicular regulatory cells."		Species
Authors: Salvatore B,Resop RS,Gordon BR,Epeldegui M,Martinez-Maza O,Comin-Anduix B,Lam A,Wu TT, Uittenbogaart CH		Human
Oncoimmunology		Year
TIGIT expressing CD4+T cells represent a tumor-supportive T cell subset in chronic lymphocytic leukemia.		2022
"Published figure using CD45RA monoclonal antibody (Product # 45-0458-42) in Flow Cytometry"		
Authors: Catakovic K,Gassner FJ,Ratswohl C,Zaborsky N,Rebhandl S,Schubert M,Steiner M,Gutjahr JC,Pleyer L,Egle A,Hartmann TN,Greil R,Geisberger R		

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