

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

Product Details	
Size	25 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_10714976

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

## Product Specific Information

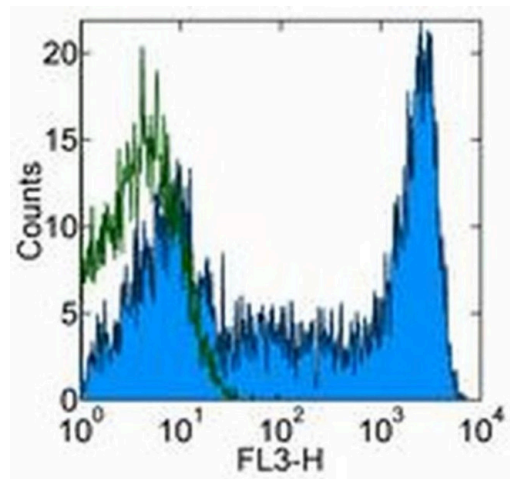
**Description:** The HI100 monoclonal antibody reacts with human CD45RA, a 220 kDa molecule expressed by subpopulations of CD4+ peripheral T lymphocytes, CD8+ peripheral T lymphocytes, and B cells. The CD45RA+ T cell populations are mainly naive/virgin allowing the use of HI100 mAb as a phenotypic marker 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 10<sup>5</sup> to 10<sup>8</sup> cells/test.

**Excitation:** 488 nm; **Emission:** 695 nm; **Laser:** Blue Laser.

**Filtration:** 0.2 µm post-manufacturing filtered.



**CD45RA Antibody (45-0458-41) 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.

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

📖 20 References

Flow Cytometry (20)

<p>Cells</p> <p><b>Characterization of T Follicular Helper Cells and T Follicular Regulatory Cells in HIV-Infected and Sero-Negative Individuals.</b></p> <p>"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."</p> <p>Authors: Salvatore B,Resop RS,Gordon BR,Epeldegui M,Martinez-Maza O,Comin-Anduix B,Lam A,Wu TT, Uittenbogaart CH</p>	<p>Year 2023</p> <p>Species Human</p>
<p>Oncoimmunology</p> <p><b>TIGIT expressing CD4+T cells represent a tumor-supportive T cell subset in chronic lymphocytic leukemia.</b></p> <p>"Published figure using CD45RA monoclonal antibody (Product # 45-0458-42) in Flow Cytometry"</p> <p>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</p>	<p>Year 2022</p>

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

More applications with references on thermofisher.com

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.