

CD45RA Monoclonal Antibody (HI100), FITC, 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), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	HI100
Conjugate	FITC
Excitation/Emission Max	498/517 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_11219672

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (1 µg)/test	37 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.

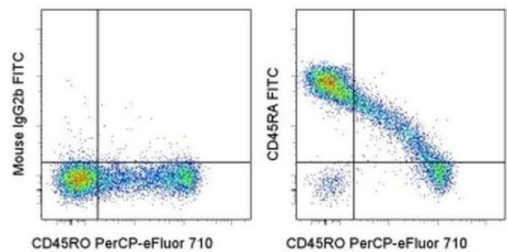
Applications Reported: The HI100 antibody has been reported for use in flow cytometric analysis.

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 (1 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:** 520 nm; **Laser:** Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD45RA Monoclonal Antibody (HI100), FITC, eBioscience™



CD45RA Antibody (11-0458-42) in Flow
Staining of normal human peripheral blood cells with Anti-Human CD45RO PerCP-eFluor® 710 (Product # 46-0457-42) and Mouse IgG2b K Isotype Control FITC (Product # 11-4732-42) (left) or Anti-Human CD45RA FITC (right). Cells in the lymphocyte gate were used for analysis.

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37 References

Flow Cytometry (37)

<p>Frontiers in cellular and infection microbiology</p> <p><i>Fusobacterium nucleatum</i> induces a tumor microenvironment with diminished adaptive immunity against colorectal cancers.</p> <p>"11-0458-42 was used in Flow cytometry/Cell sorting to suggest a potential association for FN in adaptive immunity, with biological and prognostic implications."</p> <p>Authors: Kim HS,Kim CG,Kim WK,Kim KA,Yoo J,Min BS,Paik S,Shin SJ,Lee H,Lee K,Kim H,Shin EC,Kim TM,Ahn JB</p>	<p>Year 2023</p> <p>Species Human</p>
<p>Nature communications</p> <p>ADAP1 promotes latent HIV-1 reactivation by selectively tuning KRAS-ERK-AP-1 T cell signaling-transcriptional axis.</p> <p>"11-0458-42 was used in Flow Cytometry to define ADAP1 as an unexpected tuner of T cell programs facilitating HIV-1 latency escape."</p> <p>Authors: Ramirez NP, Lee J, Zheng Y, Li L, Dennis B, Chen D, Challa A, Planelles V, Westover KD, Alto NM, D'Orso I</p>	<p>Year 2022</p> <p>Species Human</p>

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