

CD45RO Monoclonal Antibody (UCHL1), PE, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human, Rhesus monkey
Host/Isotype	Mouse / IgG2a, kappa
Recommended Isotype Control	Mouse IgG2a kappa Isotype Control (eBM2a), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	UCHL1
Conjugate	PE
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin, 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_1272079

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.5 µg)/test	13 Publications

Product Specific Information

Description: The UCHL1 monoclonal antibody reacts with human CD45RO, a 180 kDa isoform of CD45. CD45RO is expressed by most thymocytes, activated memory T cells, granulocytes and monocytes. CD22 is a ligand for CD45RO. Expression of CD45RO and CD45RA is used commonly to discriminate subsets of peripheral T cells.

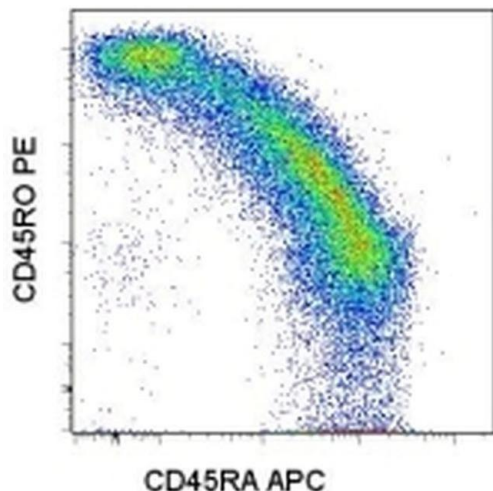
Applications Reported: The UCHL1 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This UCHL1 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.5 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.

Excitation: 488-561 nm; **Emission:** 578 nm; **Laser:** Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD45RO Monoclonal Antibody (UCHL1), PE, eBioscience™



CD45RO Antibody (12-0457-42) in Flow

Staining of normal human peripheral blood cells with Anti-Human CD45RA APC (Product # 17-0458-42) and Anti-Human CD45RO PE. Cells in the lymphocyte gate were used for analysis.

13 References

Flow Cytometry (13)

Nature communications

Clinically compliant spatial and temporal imaging of chimeric antigen receptor T-cells.

"12-0457 was used in Flow cytometry/Cell sorting to show the utility of the human sodium iodide symporter (hNIS) for the temporal and spatial monitoring of CAR T-cell behavior in a cancer-bearing host."

Authors: Emami-Shahri N, Foster J, Kashani R, Gazinska P, Cook C, Sosabowski J, Maher J, Papa S

Species
Human

Dilution
Not Cited

Year
2018

Cancer immunology research

Modulation of Endoplasmic Reticulum Stress Controls CD4⁺ T-cell Activation and Antitumor Function.

"12-0457 was used in Flow cytometry/Cell sorting to investigate whether the endoplasmic reticulum stress response may be important for CD4⁺ T-cell activation and whether gp96 is integral to this process."

Authors: Thaxton JE, Wallace C, Riesenberger B, Zhang Y, Paulos CM, Beeson CC, Liu B, Li Z

Species
Human

Dilution
Not Cited

Year
2017

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

More applications with references on thermofisher.com

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