

# CD45RO Monoclonal Antibody (UCHL1), APC, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human, Mouse, Rhesus monkey
Host/Isotype	Mouse / IgG2a, kappa
Recommended Isotype Control	Mouse IgG2a kappa Isotype Control (eBM2a), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	UCHL1
Conjugate	APC
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_1907398

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.03 µg)/test	9 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.

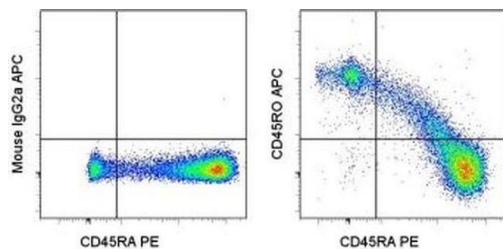
Applications Reported: This UCHL1 antibody has been reported for use in flow cytometric analysis.

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 (0.03 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: 633-647 nm; Emission: 660 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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



### CD45RO Antibody (17-0457-42) in Flow

Staining of normal human peripheral blood cells with Anti-Human CD45RA PE (Product # 12-0458-42) and Mouse IgG2a kappa Isotype Control APC (Product # 17-4724-81) (left) or Anti-Human CD45RO APC (right). Cells in the lymphocyte gate were used for analysis.

## 9 References

### Flow Cytometry (9)

#### Cell

##### Serum Amyloid A Proteins Induce Pathogenic Th17 Cells and Promote Inflammatory Disease.

"17-0457 was used in Flow cytometry/Cell sorting to suggest that serum amyloid A proteins direct a pathogenic pro-inflammatory Th17 cell differentiation program and promote Th17-mediated inflammatory diseases."

Authors: Lee JY, Hall JA, Kroehling L, Wu L, Najar T, Nguyen HH, Lin WY, Yeung ST, Silva HM, Li D, Hine A, Loke P, Hudesman D, Martin JC, Kenigsberg E, Merad M, Khanna KM, Littman DR

**Species**  
Human

**Dilution**  
Not Cited

**Year**  
2020

#### Cell research

##### Blocking the recruitment of naive CD4<sup>+</sup> T cells reverses immunosuppression in breast cancer.

"Published figure using CD45RO monoclonal antibody (Product # 17-0457-42) in Flow Cytometry"

Authors: Su S, Liao J, Liu J, Huang D, He C, Chen F, Yang L, Wu W, Chen J, Lin L, Zeng Y, Ouyang N, Cui X, Yao H, Su F, Huang JD, Lieberman J, Liu Q, Song E

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2017

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

## More applications with references on thermofisher.com

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