

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

Product Details	
Size	100 µg
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG2a, kappa
Recommended Isotype Control	Mouse IgG2a kappa Isotype Control (eBM2a), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	UCHL1
Conjugate	Biotin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2572765

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.5 µg/test	1 Publication

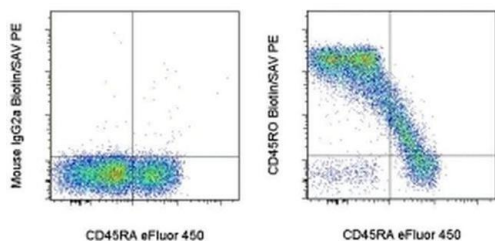
## Product Specific Information

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 tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at less than or equal to 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 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Filtration: 0.2 µm post-manufacturing filtered.



### CD45RO Antibody (13-0457-82) in Flow

Staining of normal human peripheral blood cells with Anti-Human CD45RA eFluor® 450 (Product # 48-0458) and 0.25 µg of Mouse IgG2a K Isotype Control Biotin (Product # 13-4724) (left) or Anti-Human CD45RO Biotin (right) followed by Streptavidin PE (Product # 12-4317). Cells in the lymphocyte gate were used for analysis.

## 1 Reference

### Flow Cytometry (1)

Cancer immunology research

#### PD-1+Tim-3+ CD8+ T Lymphocytes Display Varied Degrees of Functional Exhaustion in Patients with Regionally Metastatic Differentiated Thyroid Cancer.

"13-0457 was used in Flow cytometry/Cell sorting to determine that the release of PD-1 and Tim-3, and the inhibition of Tregs, may encourage tumour elimination in metastatic differentiated thyroid cancer."

Authors: Severson JJ,Serracino HS,Mateescu V,Raeburn CD,McIntyre RC,Sams SB,Haugen BR,French JD

**Species**  
Human

**Dilution**  
Not Cited

**Year**  
2015

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