

CD45RO Monoclonal Antibody (UCHL1), eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Human
Published Species	Bovine, Human
Host/Isotype	Mouse / IgG2a, kappa
Class	Monoclonal
Type	Antibody
Clone	UCHL1
Conjugate	Unconjugated
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
RRID	AB_467270

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	Assay-Dependent	2 Publications
Flow Cytometry (Flow)	0.5 µg/test	10 Publications
Miscellaneous PubMed (Misc)	-	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: The UCHL1 antibody has been reported for use in flow cytometric analysis, and immunohistochemical staining.

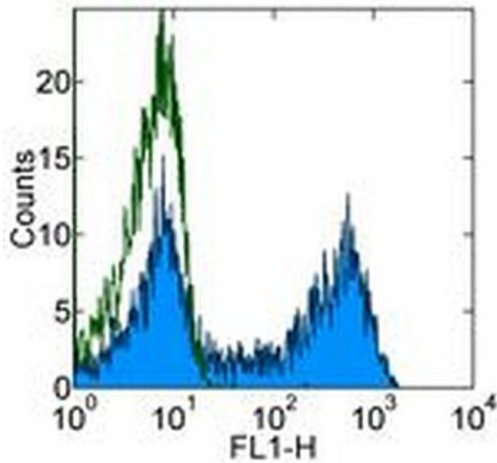
Applications Tested: The UCHL1 antibody has been tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Purity: Greater than 90%, as determined by SDS-PAGE.

Aggregation: Less than 10%, as determined by HPLC.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD45RO Antibody (14-0457-82) in Flow

Staining of normal human peripheral blood cells with 0.25 µg of Mouse IgG2a kappa Isotype Control Purified (Product # 14-4724-82) (open histogram) or 0.25 µg of Anti-Human CD45RO Purified (filled histogram) followed by Anti-Mouse IgG FITC (Product # 11-4011-85). Cells in the lymphocyte gate were used for analysis.

13 References

Immunohistochemistry (2)

Journal of immunology (Baltimore, Md. : 1950)

Neutralizing IL-6 reduces human arterial allograft rejection by allowing emergence of CD161+ CD4+ regulatory T cells.

"14-0457 was used in Immunohistochemistry to study the role of IL-6 in allogeneic T cell infiltration and intimal expansion in a model of human allograft rejection."

Authors: Fogal B, Yi T, Wang C, Rao DA, Lebastchi A, Kulkarni S, Tellides G, Pober JS

Species
Human

Dilution
Not Cited

Year
2011

Respiratory research

Expression of endothelia and lymphocyte adhesion molecules in bronchus-associated lymphoid tissue (BALT) in adult human lung.

"14-0457 was used in Immunohistochemistry to identify which adhesion molecules recruit specific subsets of lymphocytes into human bronchus-associated lymphoid tissue."

Authors: Kawamata N, Xu B, Nishijima H, Aoyama K, Kusumoto M, Takeuchi T, Tei C, Michie SA, Matsuyama T

Species
Human

Dilution
Not Cited

Year
2009

Flow Cytometry (10)

Cell research

Blocking the recruitment of naive CD4⁺ T cells reverses immunosuppression in breast cancer.

"Published figure using CD45RO monoclonal antibody (Product # 14-0457-82) 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

Oncotarget

Efficient generation of antigen-specific CTLs by the BAFF-activated human B Lymphocytes as APCs: a novel approach for immunotherapy.

"14-0457 was used in Flow cytometry/Cell sorting to expand human B-lymphocytes on a large scale while maintaining their antigen-presenting ability by using both CD40L and B-cell activating factor (BAFF)."

Authors: Yiwen Z, Shilin G, Yingshi C, Lishi S, Baohong L, Chao L, Linghua L, Ting P, Hui Z

Species
Human

Dilution
Not Cited

Year
2016

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

More applications with references on thermofisher.com

Misc (1)

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