

CD45RO Monoclonal Antibody (UCHL1), FITC, 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), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	UCHL1
Conjugate	FITC
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_10596999

Applications	Tested Dilution	Publications
Immunohistochemistry (Frozen) (IHC (F))	-	1 Publication
Flow Cytometry (Flow)	5 µL (0.5 µg)/test	21 Publications

Product Specific Information

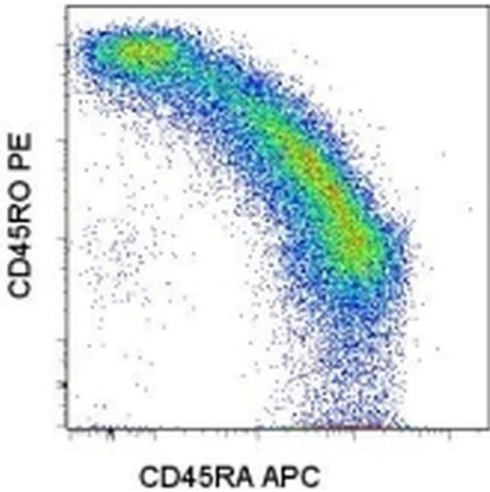
Description: The UCHL1 monoclonal antibody reacts with human CD45RO, a 180 kDa isoform of CD45. CD45RO is expressed by most thymocytes, activated memory T cells, granulocytes and monocytes. CD22 is a ligand for CD45RO. Expression of CD45RO and CD45RA is used commonly to discriminate subsets of peripheral 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 nm; Emission: 520 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.



CD45RO Antibody (11-0457-42) in Flow

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

Immunohistochemistry (Frozen) (1)

Proceedings of the National Academy of Sciences of the United States of America

Human tonsil B-cell lymphoma 6 (BCL6)-expressing CD4+ T-cell subset specialized for B-cell help outside germinal centers.

"11-0457 was used in Immunofluorescence to identify and investigate the role of a previously undefined BCL6-expressing CD4(+) T-cell subset in human tonsils."

Authors: Bentebibel SE, Schmitt N, Banchereau J, Ueno H

Species
Human

Dilution
Not Cited

Year
2011

Flow Cytometry (21)

JCI insight

Regulatory T cells use arginase 2 to enhance their metabolic fitness in tissues.

"11-0457 was used in Flow cytometry/Cell sorting to compare healthy skin Tregs with those in peripheral blood, inflamed psoriatic skin, and metastatic melanoma."

Authors: Lowe MM, Boothby I, Clancy S, Ahn RS, Liao W, Nguyen DN, Schumann K, Marson A, Mahuron KM, Kingsbury GA, Liu Z, Munoz Sandoval P, Rodriguez RS, Pauli ML, Taravati K, Arron ST, Neuhaus IM, Harris HW, Kim EA, Shin US, Krummel MF, Daud A, Scharshmidt TC, Rosenblum MD

Species
Human

Dilution
Not Cited

Year
2019

Alzheimer's research & therapy

FUNDAMANT: an interventional 72-week phase 1 follow-up study of AADvac1, an active immunotherapy against tau protein pathology in Alzheimer's disease.

"11-0457 was used in Flow cytometry/Cell sorting to follow-up on patients following a 24-week phase 1 trial on the active vaccine AADvac1 against pathological tau protein."

Authors: Novak P, Schmidt R, Kontsekova E, Kovacech B, Smolek T, Katina S, Fialova L, Prcina M, Parrak V, Dal-Bianco P, Brunner M, Staffen W, Rainer M, Ondrus M, Ropele S, Smisek M, Sivak R, Zilka N, Winblad B, Novak M

Species
Human

Dilution
Not Cited

Year
2018

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

More applications with references on thermofisher.com

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