

CD45RO Monoclonal Antibody (UCHL1)

Product Details

Size	500 µL
Species Reactivity	Human, Mouse, Non-human primate, Rat
Published Species	Rat, Human, Mouse
Host/Isotype	Mouse / IgG2a, kappa
Class	Monoclonal
Type	Antibody
Clone	UCHL1
Conjugate	Unconjugated
Immunogen	Interleukin-2-dependent human T lymphocytes
Form	Liquid
Concentration	0.02 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_10979361

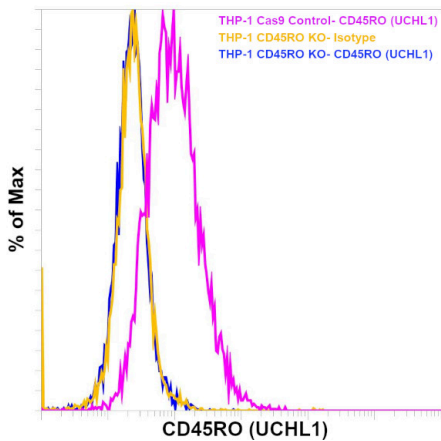
Applications	Tested Dilution	Publications
Western Blot (WB)	1:100	-
Immunohistochemistry (IHC)	-	15 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:200-1:400	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	-	1 Publication
Immunocytochemistry (ICC/IF)	-	2 Publications
Flow Cytometry (Flow)	0.5-1 µg/test	4 Publications
Miscellaneous PubMed (Misc)	-	8 Publications

Product Specific Information

MA5-11532 targets CD45RO in WB, FACS and IHC (P) applications and shows reactivity with Human, Mouse, Rat and Non-human primate samples.

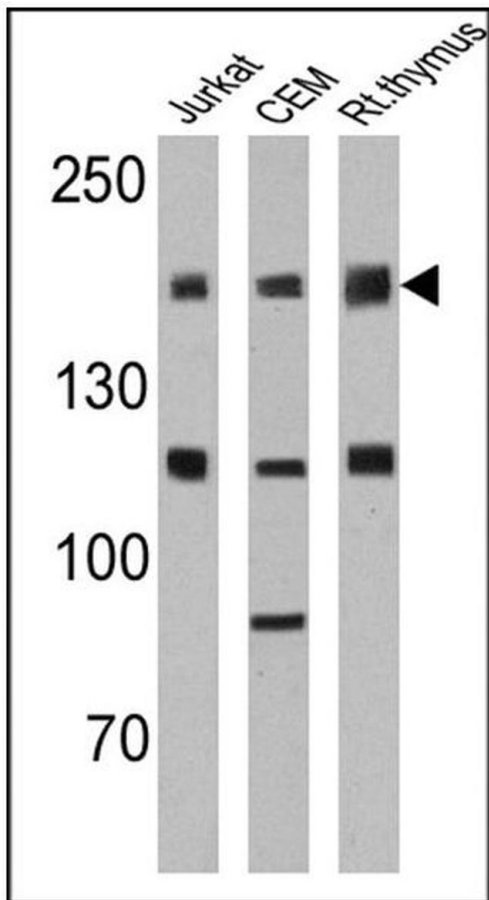
The MA5-11532 immunogen is interleukin-2-dependent human T lymphocytes.

Product Images For CD45RO Monoclonal Antibody (UCHL1)



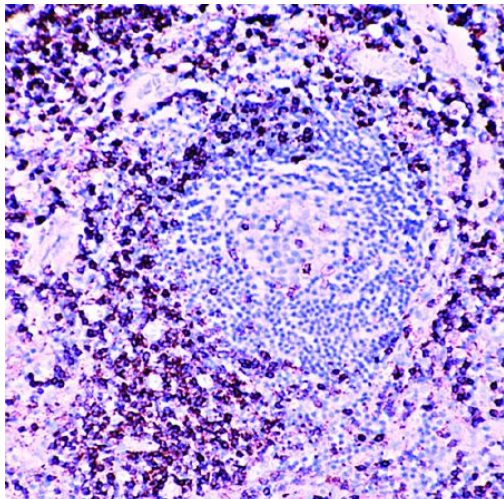
CD45RO Antibody (MA5-11532)

Antibody clone (UCHL1) specificity was demonstrated by CRISPR-Cas9 mediated knockout of target protein. Loss of signal was observed for target protein in UCHL1 KO cells (blue histogram) compared to the control Cas9 cells (pink histogram) using CD45RO antibody (UCHL1). Yellow histogram represents staining with the isotype control. {KO}



CD45RO Antibody (MA5-11532) in WB

Western blot analysis of CD45RO was performed by loading 25 µg of Jurkat (lane 1), CEM (lane 2) and rat thymus (lane 3) cell lysates onto an SDS polyacrylamide gel. Proteins were transferred to a PVDF membrane and blocked at 4°C overnight. The membrane was probed with a CD45RO monoclonal antibody (Product # MA5-11532) at a dilution of 1:10 overnight at 4°C, washed in TBST, and probed with an HRP-conjugated secondary antibody for 1 hr at room temperature in the dark. Chemiluminescent detection was performed using Pierce ECL Plus Western Blotting Substrate (Product # 32132). Results show a band at ~180 kDa.



CD45RO Antibody (MA5-11532) in IHC (P)

Formalin-fixed, paraffin-embedded human lymph node stained with CD45RO antibody using peroxidase-conjugate and DAB chromogen. Note cell membrane staining of T lymphocytes.

View more figures on thermofisher.com

31 References

Immunohistochemistry (15)

Respiratory research

Lung Inflammation in alpha-1-antitrypsin deficient individuals with normal lung function.

"MA5-11532 was used in Immunohistochemistry to investigate the characteristics of lower respiratory tract of AATD individuals prior to the onset of clinically significant COPD."

Authors: Kokturk N,Khodayari N,Lascano J,Riley EL,Brantly ML

Year
2023

Species
Human

Science advances

A nanofiber-hydrogel composite improves tissue repair in a rat model of Crohn's disease perianal fistulas.

"MA5-11532 was used in Immunohistochemistry-immunofluorescence to demonstrate that ADSC-loaded mfNHC is a promising therapy for CD-PAF, and warrants further studies to advance mfNHC toward clinical translation."

Authors: Li L,Yao ZC,Parian A,Yang YH,Chao J,Yin J,Salimian KJ,Reddy SK,Zaheer A,Gearhart SL,Mao HQ,Selaru FM

Year
2023

Species
Rat

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

Immunohistochemistry (Paraffin) (1)

Experimental and molecular pathology

Trichinella Spiralis Impact on Mesenchymal Stem Cells: Immunohistochemical Study by Image Analyzer in Murine Model.

"MA511532 was used in immunohistochemistry - paraffin section to test if Trichinella spiralis infection or its derivative stimulate recruitment of CD105+/CD45- cells"

Authors: Hasby Saad MA,Hasby EA

Year
2017

Species
Mouse

Dilution
1:200

Immunohistochemistry (Frozen) (1)

International journal of cancer

The absence of HLA class I expression in non-small cell lung cancer correlates with the tumor tissue structure and the pattern of T cell infiltration.

"MA511532 was used in immunohistochemistry - frozen section to characterize HLA class I-positive and negative tumors"

Authors: Perea F,Bernal M,Sánchez-Palencia A,Carretero J,Torres C,Bayarri C,Gómez-Morales M,Garrido F,Ruiz-Cabello F

Year
2017

Species
Human

More applications with references on thermofisher.com

- ICC/IF (2)
- Flow (4)
- Misc (8)

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (i) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (ii) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (iii) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (iv) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.