

CD45RO Antibody [clone UCHL-1] (V2237)

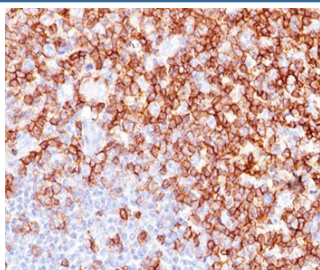
Catalog No.	Formulation	Size
V2237-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2237-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2237SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2237IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml



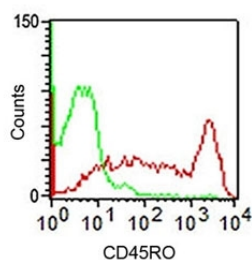
Citations (12)

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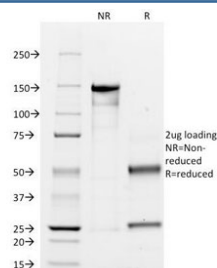
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	UCHL-1
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
Gene ID	5788
Localization	Cell surface
Applications	Flow Cytometry : 1-2ug/10 ⁶ cells Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 0.25-0.5ug/ml for 30 min at RT
Limitations	This CD45RO antibody is available for research use only.



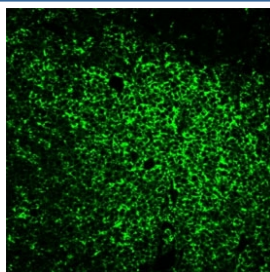
IHC testing of human tonsil stained with CD45RO antibody (UCHL-1).



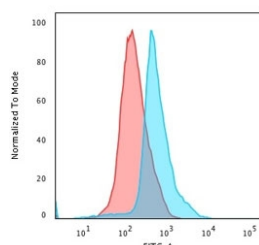
FACS staining of human lymphocytes using CD45RO antibody (UCHL-1, red) and isotype control (green).



SDS-PAGE Analysis of Purified, BSA-Free CD45RO Antibody (clone UCHL-1). Confirmation of Integrity and Purity of the Antibody.



Immunofluorescent staining of FFPE human tonsil tissue with CD45RO antibody (clone UCHL-1).



Flow cytometry staining of PFA-fixed human Jurkat cells with CD45RO antibody; Red=isotype control, Blue= CD45RO antibody.

Description

This antibody recognizes a 180-185kDa protein, identified as isoform of leukocyte common antigen (CD45) called CD45RO (4th Leucocyte Typing Workshop: Code No. N31). The epitope recognized by this antibody is sensitive to neuraminidase digestion. CD45RO is found on mature activated T-cells, most thymocytes, and a sub-population of resting T-cells within both CD4 and CD8 subsets. The CD45RO antibody shows no reactivity with normal B or natural killer cells, but reacts with granulocytes and monocytes. Reportedly, antibody to CD45RO is useful to identify T-cell lymphomas and leukemias. It rarely stains NK cells or B-cell lymphomas.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the CD45RO antibody to be titrated up or down for optimal performance.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Cultured human T-cells from an IL-2-dependent T-cell line (CA1) were used as the immunogen for the CD45RO antibody.

Storage

Store the CD45RO antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

References (2)