

## CD45RO Antibody [clone UCHL-1] (V2237)

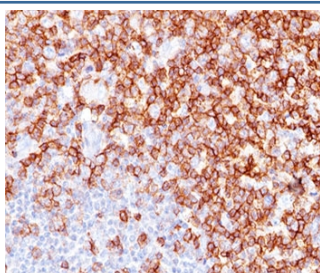
Catalog No.	Formulation	Size
V2237-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2237-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2237SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2237IHC-7ML	Prediluted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



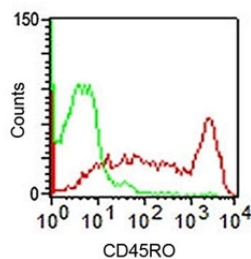
Citations (12)

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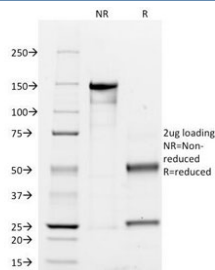
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	UCHL-1
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
Gene ID	5788
Localization	Cell surface
Applications	Flow Cytometry : 1-2ug/10 <sup>6</sup> cells Immunofluorescence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



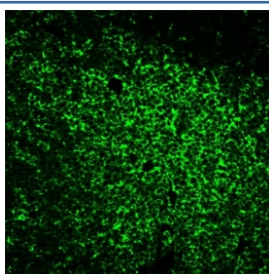
IHC testing of human tonsil stained with CD45RO antibody (UCHL-1).



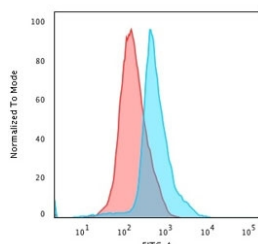
FACS staining of human lymphocytes using CD45RO antibody (UCHL-1, red) and isotype control (green).



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)