

## Product Datasheet

### CD45RO Antibody (orb2637908)

<b>Catalog Number</b>	orb2637908
<b>Category</b>	Antibodies
<b>Description</b>	<p>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.</p>
<b>Clonality</b>	Monoclonal
<b>Species/Host</b>	Mouse
<b>Isotype</b>	Mouse IgG2a, kappa
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human
<b>Buffer/Preservatives</b>	1 mg/ml in 1X PBS; rAlbumin free, sodium azide free
<b>Purification</b>	Protein G affinity chromatography
<b>Immunogen</b>	Cultured human T-cells from an IL-2-dependent T-cell line (CA1) were used as the immunogen for the CD45RO antibody.
<b>Tested applications</b>	FACS, IF, IHC-P
<b>Dilution range</b>	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

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**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 titered 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.

**Antibody Type**

Primary Antibody

**Clone Number**

UCHL-1

**Storage**

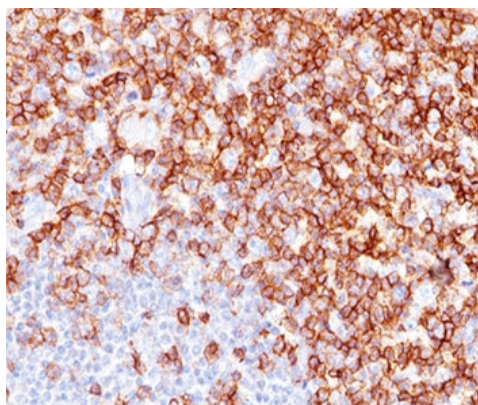
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Note**

For research use only

**Expiration Date**

12 months from date of receipt.



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

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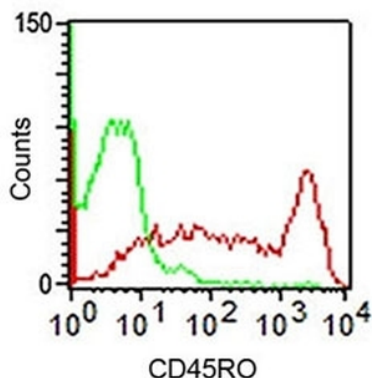
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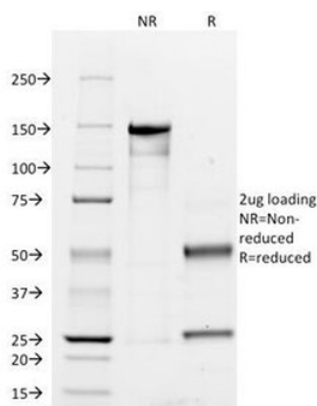
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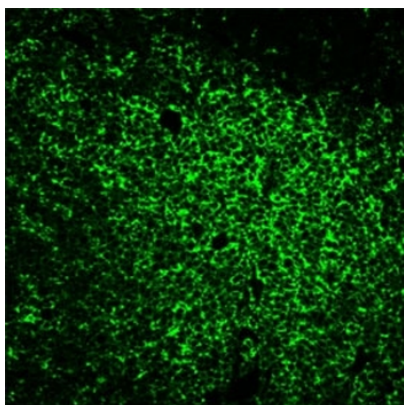
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FACS staining of human lymphocytes using CD45RO antibody (UCHL-1, red) and isotype control (green).



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).

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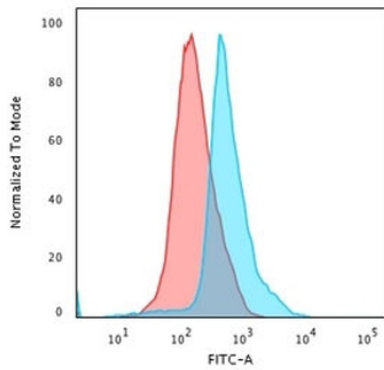
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Flow cytometry staining of PFA-fixed human Jukat cells with CD45RO antibody; Red = isotype control, Blue = CD45RO antibody.

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