

anti-human CD45RO purified**Cat-No.: H12436****0.1 mg****Clone:** UCHL1

Specificity: This clone has been derived from hybridization of NS-1-cells with spleen cells of a BALB/c mouse immunized with T-cell line CA1. This antibody has been clustered to CD45RO in one of the international Workshop on Human White Cell differentiation Antigens. The monoclonal antibody is directed against the CD45RO-antigen (restricted T200), a component of the Leucocyte Common Antigen (LCA) complex, which is expressed on human T lymphocytes (40% of CD4 and 20% of CD8 positive T lymphocytes), most thymocytes and the majority of T-cell malignancies. The monoclonal antibody also reacts with most human granulocytes and monocytes but reacts hardly with B lymphocytes, NK cells or thrombocytes. Meanwhile, immunostaining on paraffin tissues has indicated that the monoclonal antibody reacts with normal T lymphocytes, most T-cell related tumours, true histocytic lymphomas and granulocytic sarcomas but not with B-cell related tumours.

Isotype subclass: Mouse IgG2a**Form:**

Mouse ascites fluid. Purification: Protein A affinity chromatography.

Physical state: Liquid**Buffer/Additives/Preservative:**

PBS containing 15mM sodium azide, pH 7.4

Expiration date:

The reagent is stable until the expiry date stated on the vial label.

Storage conditions:

Store at 4 °C. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.

Application:

Identification of normal and malignant T lymphocytes in formalin fixed, wax embedded tissue sections. Enumeration of CD45RO positive cells in peripheral blood. Methods: Indirect immunofluorescence staining with analysis by flowcytometry or fluorescence microscopy.

References:

- 1.Smith, S.H. et al., Immunology, 58, 63 (1986).
- 2.Norton, A.J. et al., J. Clin. Pathol., 39, 399 (1986)

Warning:

Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

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