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Anti- Human CD45RO (UCHL1)

Fluorochrome	Reference	Size
FITC	45ROF-100T	100 test
PE	45ROPE-100T	100 test

PRODUCT DESCRIPTION

Clone: UCHL1

Isotype: IgG2a

Tested application: flow cytometry

Immunogen: The anti-CD45RO monoclonal antibody derives from IL-2 dependent T cell line, CA1.

Species reactivity: Human, Cross-Reactivity: Chimpanzee, Common Marmoset

Storage instruction: store in the dark at 2-8 °C

Storage buffer: aqueous buffered solution containing protein stabilizer and 0.09% sodium azide (NaN₃).

Recommended usage: Immunostep's CD45RO, clone UCHL1 is a monoclonal antibody intended for the identification and enumeration of CD45RO present on approximately 40% of peripheral blood T lymphocytes using flow cytometry. This reagent is effective for direct immunofluorescence staining of human tissue for flow cytometric analysis using $\leq 1 \mu\text{g}/10^6$ cells.

Presentation: liquid

Source: Supernatant proceeding from an *in vitro* cell culture of a cell hybridoma.

Purification: Affinity chromatography.

ANTIGEN DETAILS

Large description: The CD45RO antigen is present at low density early in the T-lymphocyte maturation cycle. Upon activation by phytohemagglutinin (PHA) or alloantigen, naive T lymphocytes first acquire CD45RO and then lose CD45RA. When these activated T lymphocytes are rechallenged, the cells that exhibit a secondary response are primarily CD45RO+, leading to the concept that CD45RO+ cells are a primed population of memory T lymphocytes.

In peripheral blood, the CD45RO antigen is present on approximately 40% of resting peripheral blood T lymphocytes, including the CD4+ and CD8+ subpopulations, as well as on most thymocytes and activated T lymphocytes. It is also expressed on monocytes, macrophages, and granulocytes.⁽¹⁻⁵⁾

Other Names: Ptprc, B220, CD45, CD45R, GP180, L-CA, LY5, T200, UCHL-1.

Gene ID: 5788

Molecular weight: 180 kDa

Please, refer to www.immunostep.com technical support for more information.

WARRANTY

Warranted only to conform to the quantity and contents stated on the label or in the product labelling at the time of delivery to the customer. Immunostep disclaims hereby other warranties. Immunostep's sole liability is limited to either the replacement of the products or refund of the purchase price.

REFERENCES

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