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# MOUSE ANTI-HUMAN CD45RO MONOCLONAL ANTIBODY

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| **CATALOG NUMBER:** | **CBL133** | **QUANTITY:** | 100 µg |
| **LOT NUMBER:** | | **CONCENTRATION:** | 0.1 mg/mL |
| **CLONE NAME:** | UCHL1 | **HOST/ISOTYPE:** | Ms IgG2a |

**SPECIFICITY:** The antibody reacts with a 180 kDa molecular weight leucocyte surface antigen present on a subpopulation of resting T lymphocytes, monocytes and granulocytes. The antigen represents the low molecular weight component of the Leucocyte Common Antigen (LCA), it has weak surface expression on monocytes and granulocytes whilst tissue macrophages exhibit cytoplasmic expression. The antigen is also present on the majority of T cell malignancies.

Approximate antigen distribution:

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| Peripheral blood T cells | 48% |
| CD4+ lymphocytes | 50% |
| CD8+ lymphocytes | 35% |
| Thymocytes | 80% |

FUSION PARTNER: NS1 myeloma cell line

**APPLICATIONS:** Flow cytometry studies
Identification of helper inducer and memory cytotoxic T lymphocytes by indirect immunofluorescence staining
Identification of normal and malignant T lymphocytes in formalin fixed, wax embedded tissue sections following Heat Induced Epitope Retrieval (HIER)
Immunoprecipitation of the 180 kDa component of the LCA
Optimal working dilutions must be determined by the end user.

**SPECIES REACTIVITY:** Reacts with Human. Reactivity with other species has not been determined.

**IMMUNOGEN:** T cells from an IL 2 dependent T cell line (CA-1)

**FORMAT:** Purified immunoglobulin, purified by Protein A affinity chromatography

**PRESENTATION:** The monoclonal is presented in phosphate buffered saline containing 10mM sodium azide and 1mg/ml bovine serum albumin. We recommend that each laboratory determine an optimum working titre for use in its particular application.

**STORAGE/HANDLING:** For use within 1 month of purchase store at +4°C, for long term storage aliquot antibody into small volumes and store at -20°C for up to one year.

**REFERENCES:**


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