



11-498-C100

Monoclonal Antibody to CD45R0 Purified Antibody (0.1 mg)

Clone:	UCHL1
Isotype:	Mouse IgG2a
Specificity:	<p>The antibody UCHL1 recognizes CD45R0, a 180 kDa low molecular weight isoform of the leukocyte common antigen (LCA). The antigen is expressed on a subset of memory/activated T cells and on cortical thymocytes.</p> <p>HLDA III; WS Code NL 826 HLDA III; WS Code T 128 HLDA IV; WS Code NL 31 HLDA V; WS Code BP BP460 HLDA V; WS Code T T-081 HLDA V; WS Code T T-CD45.43</p>
Regulatory Status:	RUO
Immunogen:	Human IL-2 dependent T cells
Species Reactivity:	Human
Application:	<p>Flow Cytometry Application note: Use 10 µl of the suggested working dilution to label 10⁶ cells in 100 µl. Immunoprecipitation Immunohistochemistry (paraffin sections) Pretreatment: This product does not require protein digestion pretreatment of paraffin sections. This product does not require antigen retrieval using heat treatment prior to staining of paraffin sections. Positive tissue: tonsil Immunohistochemistry (frozen sections) Positive tissue: tonsil</p>
Purity:	> 95% (by SDS-PAGE)
Purification:	Purified by protein-G affinity chromatography
Concentration:	1 mg/ml
Storage Buffer:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
Storage / Stability:	Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.
Expiration:	See vial label
Lot Number:	See vial label

For laboratory research only, not for drug, diagnostic or other use.

**Antibodies****Background:**

CD45R0 is the shortest isoform of a receptor-type protein tyrosine phosphatase, CD45 glycoprotein. CD45 is crucial in lymphocyte development and antigen signaling, serving as an important regulator of Src-family kinases, promotes cell survival by modulating integrin-mediated signal transduction pathway and is also involved in DNA fragmentation during apoptosis. CD45 isoforms differ in their extracellular domains, whereas they share identical transmembrane and cytoplasmic domains. These isoforms differ in their ability to translocate into the glycosphingolipid-enriched membrane domains and their expression depends on cell type and physiological state of the cell. CD45R0 is expressed e.g. on macrophages, CD8+ T cells, activated T cells and myeloma cells.

References:

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