

30-1350: Anti-CD45R0 Monoclonal Antibody (Clone:UCHL1)

Clonality :	Monoclonal
Clone Name :	UCHL1
Application :	FACS, IP, IHC, IHC-Fr
Reactivity :	Human
Format :	Purified
Isotype :	Mouse IgG2a
Immunogen Information :	Human IL-2 dependent T cells

Description

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.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-G affinity chromatography
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow Cytometry *Application note:*

Use 10 μ l of the suggested working dilution to label 10^6 cells in 100 μ l.

Immunoprecipitation Immunohistochemistry *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