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30-2018: Anti-CD45R0 Monoclonal Antibody (Clone:UCHL1)-FITC Conjugated

Clonality :	Monoclonal
Clone Name :	UCHL1
Application :	FACS
Reactivity :	Human
Conjugate :	FITC
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 :	100 tests
Storage condition :	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

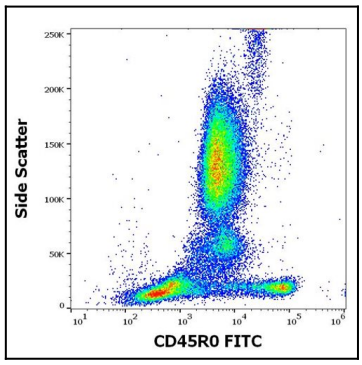

Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD45R0 (UCHL1) FITC antibody (20 µl reagent / 100 µl of peripheral whole blood).

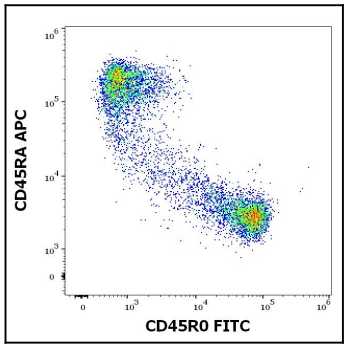

Figure 2: Flow cytometry multicolor surface staining pattern of human lymphocytes stained using anti-human CD45RA (MEM-56) APC antibody (10 µl reagent / 100 µl of peripheral whole blood) and anti-human CD45R0 (UCHL1) FITC antibody (20 µl reagent / 100 µl of peripheral whole blood).

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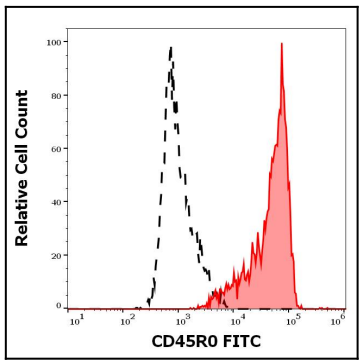

Figure 3: Separation of human CD45R0 positive CD45RA negative lymphocytes (red-filled) from CD45R0 negative CDCD45RA positive lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD45R0 (UCHL1) FITC antibody (20 µl reagent / 100 µl of peripheral whole blood).