Datasheet for ABIN192398

anti-CCL20 antibody (PE)

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Overview

Quantity:	100 tests
Target:	CCL20
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CCL20 antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	Human IL-2 dependent T cells
Clone:	UCHL1
Isotype:	IgG2a
Specificity:	The antibody UCHL1 recognizes an extracellular epitope of 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.
Cross-Reactivity (Details):	Human
Purification:	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

Target:	CCL20

Target Details

Alternative Name:	CD45R0 (CCL20 Products)
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.,PTPRCR, T200R0
Pathways:	The Global Phosphorylation Landscape of SARS-CoV-2 Infection

Application Details

Application Notes:	Flow cytometry: The reagent is designed for analysis of human blood cells using 20 µL reagent / 100 µL of whole blood or 10^6 cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests.
Comment:	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Restrictions:	For Research Use only

Handling

Reconstitution:	No reconstitution is necessary.
Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	**Do not freeze.** Avoid prolonged exposure to light.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Publications

Product cited in:

Akbar, Terry, Timms, Beverley, Janossy: "Loss of CD45R and gain of UCHL1 reactivity is a feature of primed T cells." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 140, Issue 7, pp. 2171-8, (1988) (PubMed).

Beverley, Merkenschlager, Terry: "Phenotypic diversity of the CD45 antigen and its relationship to function." in: **Immunology. Supplement**, Vol. 1, pp. 3-5, (1988) (PubMed).

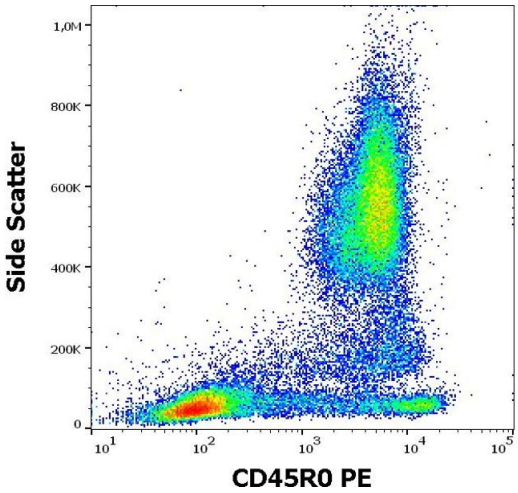
Terry, Brown, Beverley: "The monoclonal antibody, UCHL1, recognizes a 180,000 MW component of the human leucocyte-common antigen, CD45." in: **Immunology**, Vol. 64, Issue 2, pp. 331-6, (1988) (PubMed).

Beverley: "Human T cell subsets." in: **Immunology letters**, Vol. 14, Issue 4, pp. 263-7, (1987) (PubMed).

Norton, Ramsay, Smith, Beverley, Isaacson: "Monoclonal antibody (UCHL1) that recognises normal and neoplastic T cells in routinely fixed tissues." in: **Journal of clinical pathology**, Vol. 39, Issue 4, pp. 399-405, (1986) (PubMed).

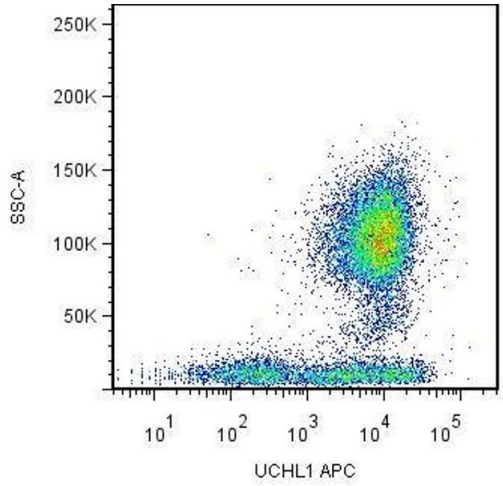
There are more publications referencing this product on: Product page

Images



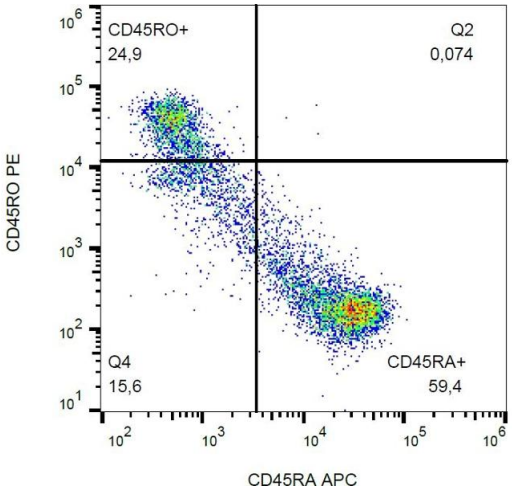
Flow Cytometry

Image 1. Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD45R0 (UCHL1) PE antibody (20 µL reagent / 100 µL of peripheral whole blood).



Flow Cytometry

Image 2. Surface staining of human peripheral blood leukocytes by mouse monoclonal anti-CD45R0 antibody UCHL1 .



Flow Cytometry

Image 3. Flow cytometry analysis (surface staining) of CD45R0 in human peripheral blood with anti-CD45R0 (UCHL1) PE.

Please check the product details page for more images. Overall 5 images are available for ABIN192398.