

Datasheet for ABIN192395

**anti-CCL20 antibody**

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## Overview

Quantity:	0.1 mg
Target:	CCL20
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CCL20 antibody is un-conjugated
Application:	Immunoprecipitation (IP), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## 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 by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

## Target Details

Target:	CCL20
Alternative Name:	CD45R0 ( <a href="#">CCL20 Products</a> )
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:	<a href="#">The Global Phosphorylation Landscape of SARS-CoV-2 Infection</a>

## Application Details

Application Notes:	Immunohistochemistry (paraffin sections): 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. Flow cytometry: Recommended dilution: 10 µg/mL.
Restrictions:	For Research Use only

## Handling

Concentration:	1 mg/mL
Buffer:	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:	<b>Do not freeze.</b>
Storage:	4 °C
Storage Comment:	Store at 2-8°C. 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, Merckenschlager, Terry: "Phenotypic diversity of the CD45 antigen and its relationship to function." in: **Immunology. Supplement**, Vol. 1, pp. 3-5, (1988) ([PubMed](#)).

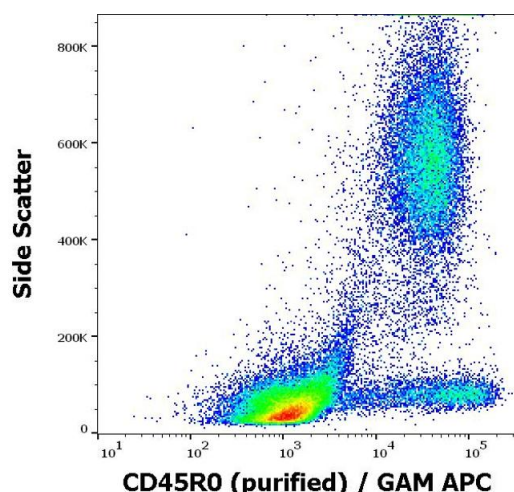
Terry, Brown, Beverley: "The monoclonal antibody, UCHL1, recognizes a 180,000 MW component of the human leucocyte-common antigen, CD45." in: **Immunology**, Vol. 64, Issue 2, pp. 331-6, (1988) ([PubMed](#)).

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](#)).

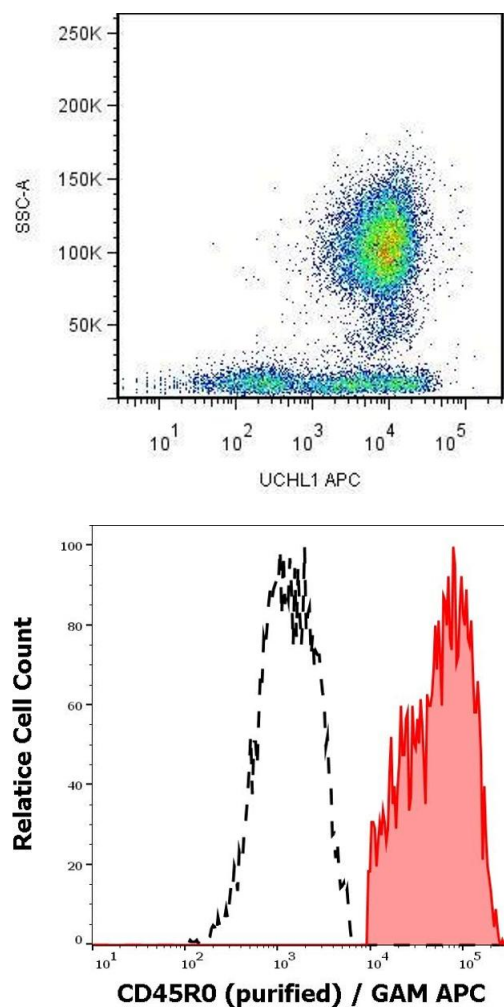
There are more publications referencing this product on: [Product page](#)

## Images



### Flow Cytometry

**Image 1.** Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD45R0 (UCHL1) purified antibody (concentration in sample 1  $\mu$ g/mL, GAM APC).



Flow Cytometry

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

Flow Cytometry

**Image 3.** Separation of human CD45R0 positive lymphocytes (red-filled) from CD45R0 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of peripheral whole blood stained using anti-human CD45R0 (UCHL1) purified antibody (concentration in sample 1  $\mu$ g/mL, GAM APC).