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## Datasheet for ABIN192399 anti-CCL20 antibody (APC)

1 Image

7 Publications



#### Overview

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

### Product Details

Immunogen:	Human IL-2 dependent T cells
Clone:	UCHL1
lsotype:	lgG2a
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 activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

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Target Details	
Target:	CCL20
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 10 $\mu$ L reagent / 100 $\mu$ L of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.
Comment:	The purified antibody is conjugated with cross-linked Allophycocyanin (APC) 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

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should be handled by trained staff only.

Avoid prolonged exposure to light.

Do not freeze.

4 °C

This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Precaution of Use:

Handling Advice:

Storage:

Storage Comment:

Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

#### Publications

Product cited in:

Ricciardi, Manfrini, Alfieri, Calamita, Crosti, Gallo, Müller, Pagani, Abrignani, Biffo: "The Translational Machinery of Human CD4+ T Cells Is Poised for Activation and Controls the Switch from Quiescence to Metabolic Remodeling." in: **Cell metabolism**, Vol. 28, Issue 6, pp. 895-906.e5, (2019) (PubMed).

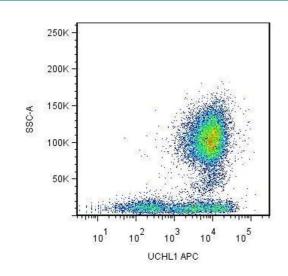
Akbar, Terry, Timms, Beverley, Janossy: "Loss of CD45R and gain of UCHL1 reactivity is a feature of primed T cells." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 140, Issue 7, pp. 2171-8, (1988) (PubMed).

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).

There are more publications referencing this product on: Product page



#### Flow Cytometry

**Image 1.** Surface staining of human peripheral blood leukocytes by mouse monoclonal anti-CD45R0 antibody UCHL1.

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