

Datasheet for ABIN192397
anti-CCL20 antibody (FITC)



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8 Publications

Overview

Quantity:	100 tests
Target:	CCL20
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CCL20 antibody is conjugated to FITC
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 fluorescein isothiocyanate (FITC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

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 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 Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC 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

Handling

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

Publications

Product cited in: Kalina, Bakardjieva, Blom, Perez-Andres, Barendregt, Kanderová, Bonroy, Philippé, Blanco, Pico-Knijnenburg, Paping, Wolska-Kuśnierz, Pac, Tkaczyk, Haerynck, Akar, Formánková, Freiburger, Svatoň et al.: "EuroFlow Standardized Approach to Diagnostic Immunophenotyping of Severe PID in Newborns and Young Children. ..." in: **Frontiers in immunology**, Vol. 11, pp. 371, (2020) ([PubMed](#)).

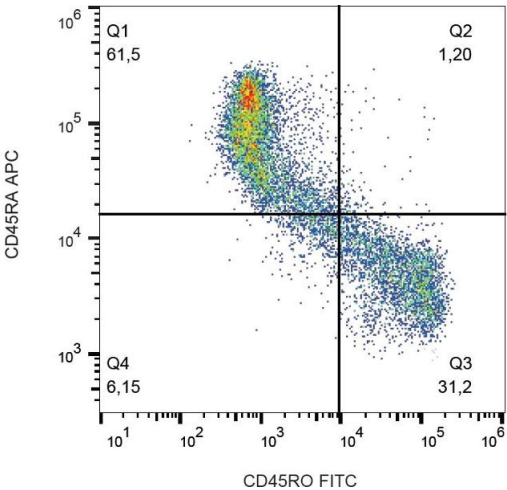
van Dongen, van der Burg, Kalina, Perez-Andres, Mejstrikova, Vlkova, Lopez-Granados, Wentink, Kienzler, Philippé, Sousa, van Zelm, Blanco, Orfao: "EuroFlow-Based Flowcytometric Diagnostic Screening and Classification of Primary Immunodeficiencies of the Lymphoid System." in: **Frontiers in immunology**, Vol. 10, pp. 1271, (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, Merckenschlager, Terry: "Phenotypic diversity of the CD45 antigen and its relationship to function." in: **Immunology. Supplement**, Vol. 1, pp. 3-5, (1988) ([PubMed](#)).

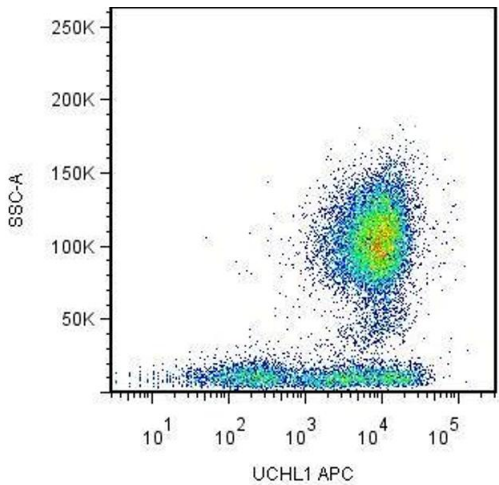
Terry, Brown, Beverley: "The monoclonal antibody, UCHL1, recognizes a 180,000 MW component of the human leucocyte-common antigen, CD45." in: **Immunology**, Vol. 64, Issue 2, pp. 331-6, (1988) ([PubMed](#)).

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



Flow Cytometry

Image 1. Flow cytometry analysis (surface staining) of CD45R0 in human peripheral blood with anti-CD45R0 (UCHL1) FITC.



Flow Cytometry

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