

## Monoclonal Antibody to CD45 / LCA (CD45RO) - FITC

<b>Alternate names:</b>	L-CA, Leukocyte common antigen, PTPRC, Receptor-type tyrosine-protein phosphatase C, T200
<b>Catalog No.:</b>	SM1117F
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.1 mg/ml
<b>Background:</b>	The antigen is expressed by a functional subset of T-cells with memory phenotype. In peripheral blood UCHL1 stains 40-80% of lymphocytes, and all monocytes and granulocytes.
<b>Uniprot ID:</b>	<a href="#">P08575</a>
<b>NCBI:</b>	<a href="#">NP_002829.2</a>
<b>GeneID:</b>	<a href="#">5788</a>
<b>Host / Isotype:</b>	Mouse / IgG2a
<b>Clone:</b>	UCHL1
<b>Immunogen:</b>	Human IL-2 dependent T-cells <b>Remarks:</b> Spleen cells from immunised mice were fused with cells of the mouse P3/NS1/1-Ag4-1 myeloma cell line.
<b>Format:</b>	<b>State:</b> Liquid purified IgG fraction. <b>Purification:</b> Affinity Chromatography on Protein G. <b>Buffer System:</b> PBS, pH 7.2, containing 0.09% as a preservative and 1% BSA as a stabilizer. <b>Label:</b> FITC – Fluorescein Isothiocyanate Isomer 1
<b>Applications:</b>	<b>Flow Cytometry:</b> Use 10 µl of neat antibody to label 10e6 cells or 100 µl whole blood. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	UCHL1 recognises the low molecular weight isoform (180 kD) of the leucocyte common antigen (LCA). <b>Species:</b> Human, Cross reacts with Canine CD45RO. Other species not tested.
<b>Add. Information:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General References:</b>	1. Smith, S.H., Brown, M.H., Rowe, D., Callard, R.E., and Beverley, P.C.L. (1986). Functional subsets of human helper-inducer cells defined by a new monoclonal antibody, UCHL1. Immunology 58: 63-72. 2. Norton, A.J., Ramsay, A.D., Smith, S.H., Beverley, P.C.L., and Isaacson, P.G. (1986).

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