



Peninsula Laboratories, LLC

A Member of the Bachem Group

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Monoclonal Antibody To Human CD45RO Leukocyte Common Antigen LCA

Monoclonal antibody UCHL 1 recognises the low molecular weight isoform (180kD) of the leukocyte common antigen (LCA) which lacks the A, B and C determinant. The antigen is expressed by a functional subset of T cells with memory phenotype. In peripheral blood UCHL 1 stains 40-80% of lymphocytes, and all monocytes and granulocytes.

Product Number:	T-1334
Clone:	UCHL 1
Host species, isotype:	Mouse IgG2a
Quantity:	140µg
Format:	Tissue culture supernatant, liquid Supplied as 2ml solution. This stock solution contains 0.07mg/ml IgG, 0.2M Tris/HCl pH7.4 with 5-10% fetal calf serum and 0.1% sodium azide as a preservative.
Stability:	Original vial: 1 year at 4° - 8°C
Applications:	Tested for immunohistochemistry (IHC); has been described to work in FACS, immunoprecipitation. Approximate working dilution for IHC: Frozen sections: 1.5 - 2.5µg/ml (1:25 - 1:50) Paraffin sections: 7µg/ml (1:10); pretreatment not necessary. Optimal dilutions should be determined by the end user. Suggested positive control: Human tonsil.
Immunogen:	Human IL-2 dependent T lymphocytes.



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Selected references

Smith, S.H. et al.: Functional subsets of human helper-induced cells defined by a new monoclonal antibody, UCHL 1. *Immunology* 58: 63-72 (1986).

Norton, A.J. et al.: Monoclonal antibody (UCHL 1) that recognises normal and neoplastic T-cells in routinely fixed tissues. *J. Clin. Pathol.* 39: 399-405 (1986).

Beverly, P.C.L.: Human T-cells subsets. *Immunol. Lett.* 14: 263-267 (1987).

Akbar, A.N. et al.: Loss of CD45R and gain of UCHL 1 reactivity is a feature of primed T-cells. *J. Immunol.* 140: 1-8 (1988).

Terry, L.A. et al.: The monoclonal antibody UCHL 1 recognises a 180kDa component of the human leucocyte common antigen, CD45R. *Immunology* 64: 331-336 (1988).

Beverly, P.C.L., et al.: Phenotypic diversity of the CD45 antigen and its relation to function. *Immunology*, suppl. 1: 3-5 (1988).

Merkenschlager, M. et al.: Limited dilution analysis of proliferative responses in human lymphocyte populations defined by the monoclonal antibody UCHL 1: implications for differential CD45 expression in T-cell memory formation. *Eur. J. Immunol.* 18: 1653-1661 (1988).

For in vitro research only. Caution: this product contains sodium azide, a poisonous and hazardous substance.