

Monoclonal Antibody to CD45 / LCA (CD45RA) - FITC

Alternate names:	L-CA, Leukocyte common antigen, PTPRC, Receptor-type tyrosine-protein phosphatase C, T200
Catalog No.:	SM1796FT
Quantity:	25 µg
Concentration:	0.1 mg/ml
Background:	CD45 is a complex molecule existing in a number of isoforms. Antibodies recognising a common epitope on all of these isoforms are termed CD45 whilst those recognising only individual isoforms are termed CD45RA or CD45RO etc.
Uniprot ID:	P08575
NCBI:	NP_002829.2
GeneID:	5788
Host / Isotype:	Mouse / IgG1
Clone:	F8-11-13
Immunogen:	Human T Lymphocytes. Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.
Format:	State: Liquid purified IgG fraction. Purification: Affinity Chromatography on Protein G. Buffer System: PBS, pH 7.2 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Flow Cytometry (Neat -1/10): Use 10 µl to label 10e6 cells in 100 µl whole blood. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises the human CD45RA cell surface antigen. Clone F8-11-13 reacts with the high molecular weight form of the leucocyte common antigen (LCA) expressed by B lymphocytes and a subset of T lymphocytes. Species: Human. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General References:	1. Dalchau, R. and Fabre, J.W. (1981) Identification with a monoclonal antibody of the predominantly B lymphocyte specific determinant of the human leucocyte common antigen: evidence for structural and possible functional diversity of the leucocyte common

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molecule. J. Exp. Med. 153: 753-765.

2. O'Grady, J. T. et al (1994) CD40 expression in Hodgkin's disease. Am. J. Pathol. 144: 21-26.

3. Franitza, S. et al. (2002) TGF-beta1 enhances SDF-1alpha-induced chemotaxis and homing of naive T cells by up-regulating CXCR4 expression and downstream cytoskeletal effector molecules. J. Immunol. 32: 193-202.

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