

Monoclonal Antibody to CD45 / LCA - PE

Alternate names:	L-CA, Leukocyte common antigen, PTPRC, Receptor-type tyrosine-protein phosphatase C, T200
Catalog No.:	SM21RT
Quantity:	25 Tests
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 / IgG2a
Clone:	F10-89-4
Immunogen:	Human T lymphocytes
Format:	State: Lyophilised purified IgG Purification: Ion exchange chromatography Buffer System: Phospahte buffered saline pH7.4 containing 0.09% Sodium Azide, 1% Bovine Serum Albumin Label: PE – R. Phycoerythrin (RPE) Reconstitution: Reconstitute in 0.25 ml distilled water
Applications:	Flow Cytometry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises the human CD45 cell surface antigen, also known as the leucocyte common antigen (LCA). Clone F10-89-4 reacts with all forms of CD45 expressed by all haematopoietic cells, except erythrocytes, having a higher level of expression on lymphocytes than on granulocytes. This product is routinely tested in flow cytometry on human peripheral blood leucocytes Species: Human. Other species not tested.
Storage:	Prior to and following reconstitution store the antibody at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light. Shelf life: one year from despatch.
Caution:	(A full Health and Safety assessment is available upon request) This product contains sodium azide : a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com

trained staff only.

- General References:**
1. Dalchau, R. et al. (1980) Monoclonal antibody to a human leukocyte-specific membrane glycoprotein probably homologous to the leukocyte-common (L-C) antigen of the rat Eur. J. Immunol. 10: 737 - 744.
 2. Quenby, S et al. (1999) Pre-implantation endometrial leukocytes in women with recurrent miscarriage. Human Reprod. 14(9):2386 - 2391.

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