

Monoclonal Antibody to CD45 / LCA - APC

Alternate names:	L-CA, Leukocyte common antigen, PTPRC, Receptor-type tyrosine-protein phosphatase C, T200
Catalog No.:	SM1795APC
Quantity:	100 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:	F-10-89-4
Immunogen:	Human T lymphocytes. Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.
Format:	State: Lyophilized purified IgG Purification: Affinity chromatography Buffer System: PBS, pH 7.4 containing 0.09% Sodium Azide and 1% Bovine Serum Albumin Label: APC – Allophycocyanin
Applications:	Flow cytometry: Use 10 ul of neat antibody to label 10e6 cells or 100ul whole blood. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises the 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! Shelf life: one year from despatch.
General References:	1. Dalchau, R. et al. (1980) Monoclonal antibody to a human leucocyte specific membrane glycoprotein probably homologous to the leucocyte common antigen of the rat. Eur. J. Immunol. 10: 737-744. 2. Quenby, S et al. (1999) Pre-implantation endometrial leukocytes in women with recurrent

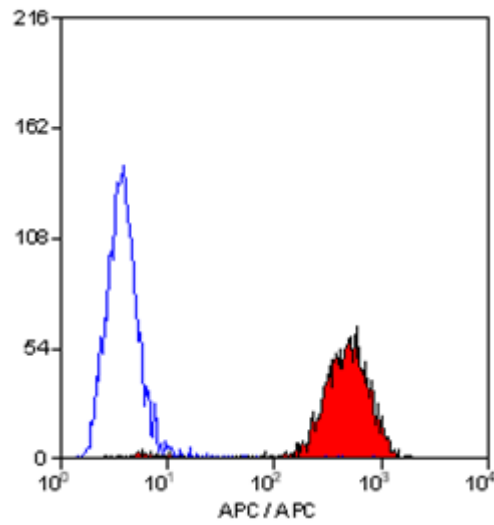
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Material Safety Datasheets are available at www.acris-antibodies.com or on request.

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

miscarriage. Human Reprod. 14(9):2386-2391.

Pictures:



Staining of human peripheral blood lymphocytes with Mouse anti Human CD45:APC (SM1795APC)

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