

Monoclonal Antibody to CD45 / LCA - Purified

Alternate names:	L-CA, Leukocyte common antigen, PTPRC, Receptor-type tyrosine-protein phosphatase C, T200
Catalog No.:	SM2195P
Quantity:	0.25 mg
Concentration:	1.0 mg/ml
Background:	CD45 is a major membrane glycoprotein of 180kD on thymocytes and 180-240kD on other leucocytes.
Uniprot ID:	P04157
NCBI:	NP_001103357.1
GeneID:	24699
Host / Isotype:	Mouse / IgG2a
Clone:	OX-29
Immunogen:	L-CA (CD45). Fusion of cells from NSO mouse myeloma line with spleen cells from BALB/c mice immunised with purified LCA.
Format:	State: Liquid purified IgG fraction. Purification: Affinity Chromatography on Protein G. Buffer System: PBS containing 0.09% Sodium Azide as preservative.
Applications:	Flow Cytometry (1/10-1/50): Use 10 µl of the suggested working dilution to label 10e6 cells in 100 µl. Immunoprecipitation. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody is the equivalent of human CD45. SM2195P recognises a monomorphic determinant present on all forms of the L-CA (CD45) antigen. (1) Studies have demonstrated that this antibody binds to the membrane distal two domains of CD45.(3) Species: Rat. 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. Woolett, G.R. et al. (1985) Molecular and antigenic heterogeneity of the rat leukocyte-common antigen from thymocytes and T and B lymphocytes. Eur. J. Immunol. 15:

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
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168-173.

2. Barclay, A.N. (1981) The localization of populations of lymphocytes defined by monoclonal antibodies in rat lymphoid tissues. *Immunology* 42: 593-600.

3. Symons, A. et al (1999) Domain organization of the extracellular region of CD45 Protein Engineering 12:885-892 (see: <http://peds.oxfordjournals.org/cgi/reprint/12/10/885>)

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