

Monoclonal Antibody to CD45 / LCA - Purified

Alternate names:	L-CA, Leukocyte common antigen, PTPRC, Receptor-type tyrosine-protein phosphatase C, T200
Catalog No.:	AM00700PU-N
Quantity:	0.5 mg
Concentration:	0.5 mg/ml (OD280nm)
Background:	CD45 is a family of single chain transmembrane glycoproteins consisting of at least four isoforms (220, 205, 190, 180 kDa) which share a common large intracellular domain. Their extracellular domains are heavily glycosylated. The different isoforms are produced by alternative messenger RNA splicing of three exons of a single gene on chromosome 1. CD45 is expressed on cells of the human hematopoietic lineage (including hematopoietic stem cells) with the exception of mature red cells. It is not detected on differentiated cells of other tissues. It is likely that CD45 plays an important role in signal transduction, inhibition or upregulation of various immunological functions. Antibodies recognising a common epitope on all of the isoforms are termed CD45 whilst those recognising only individual isoforms are termed CD45RA or CD45RO etc.
Uniprot ID:	P06800
NCBI:	10090
Host / Isotype:	Rat / IgG2b
Clone:	13/2.3
Format:	State: Liquid Ig fraction Purification: Protein G chromatography Buffer System: 0.01 M PBS, pH 7.2, containing 1.0 % BSA; 0.09 % Sodium Azide
Applications:	Flow cytometry (1 µg to stain 1.0 x 10 ⁶ cells). Immunoprecipitation. Immunohistochemistry on frozen sections. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Anti-Mouse CD45 recognizes the (Mr 200 kD) leukocyte common antigen. Species: Mouse. Other species not tested.
Storage:	Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 to -80 °C for longer. Avoid repeated freezing and thawing. Centrifuge vial before opening. Shelf life: one year from despatch.
General Readings:	1. Ledbetter, J., et al., (1979), Immunol. Rev., 47:63. 2. Springer, T., et al., (1979), Eur. J. Immunol., 8:539.

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