

Monoclonal Antibody to CD45 / LCA (CD45RC) - Purified

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| Alternate names: | L-CA, Leukocyte common antigen, PTPRC, Receptor-type tyrosine-protein phosphatase C, T200 |
| Catalog No.: | AM08070PU-N |
| Quantity: | 0.5 mg |
| Concentration: | 0.5 mg/ml |
| Background: | The CD45 family of cell surface glycoprotein antigens exist as a set of isoforms. (Ref.1-4) The patterns of monoclonal antibody recognition of the CD45 phenotypes can be restricted (CD45RA, RB and RC), or broader, such as the CD45 T 200 species (See also products AM08044). (Ref.1-4)The "restricted" subsets of this group arise as a result of translation of alternatively spliced mRNAs from exons A, B and C (exons 4, 5 and 6), where exons 3-15 encode the extracellular domain of the CD45 molecule. The restricted epitopes are differentially expressed on T and B lymphocytes, including functionally distinct T cells. CD45 (LCA) is a transmembrane phosphotyrosine phosphatase expressed on leucocytes. Myeloid cells do not express the RC isoform. |
| Uniprot ID: | P06800 |
| NCBI: | 10090 |
| Host / Isotype: | Rat / IgG2a |
| Clone: | C455.1F |
| Format: | State: Liquid purified Ig fraction. Buffer System: 100 mM Borate Buffered Saline, pH 8.2. No preservatives or amine-containing buffer salts added. |
| Applications: | Flow Cytometry: Identification and enumeration of CD45RC+ cells. Immunoprecipitation. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| Specificity: | This antibody recognises an exon C-dependent epitope of CD45 glycoprotein. Species: Mouse. 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 Readings: | 1. Hathcock, K.S., Laslo, G., Dickler, H.B., Sharrow, S.O., Johnson, P. Trowbridge, I.S. and Hodes, R.J. 1992. Immunol. 148:19. 2. Bottomly, K., M. Luqman, L. Greenbaum, S. Carding, J. West, T. Pasqualini, and D.B. Murphy. 1989. Eur. J. Immunol. 19:617. 3. Johnson, P., L. Greenbaum, K. Bottomly, et al. 1989. J. Exp. Med. 169:1179. |

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



4. Birkeland, M.L., et al. 1988. J. Mol. Cell. Immunol. 4:71.

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