

Monoclonal Antibody to CD45 / LCA (CD45R) - Purified

Alternate names:	L-CA, Leukocyte common antigen, PTPRC, Receptor-type tyrosine-protein phosphatase C, T200
Catalog No.:	AM01305FC-N
Quantity:	0.1 mg
Concentration:	0.1 mg/ml
Background:	CD45R is expressed by subpopulations of CD4+ and CD8+ T cells within the CD2+ T cell population and by all B cells in peripheral blood and secondary lymphoid tissue, but is not expressed by WC1 + gamma/delta T cells, monocytes or granulocytes. CC76 immunoprecipitates molecules of 205kD and 220kD, and identifies a functional population of naive CD4+ve cells.
Uniprot ID:	Q9GMB4
NCBI:	9913
Host / Isotype:	Mouse / IgG1
Clone:	CC76
Format:	State: Liquid purified IgG Purification: Affinity chromatography on Protein G Buffer System: PBS, pH 7.4 containing 0.09% Sodium Azide and 1% Bovine Serum Albumin Label: Fluorescein Isothiocyanate Isomer 1 (FITC)
Applications:	Flow Cytometry: Neat - 1/10; Use 10µl of the suggested working dilution to label 10e6 cells in 100µl. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises bovine CD45R. Species: Bovine. 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. This product is photosensitive and should be protected from light. Shelf life: one year from despatch.
General Readings:	1. Howard CJ, Sopp P, Parsons KR, McKeever DJ, Taracha EL, Jones BV, et al. Distinction of naive and memory BoCD4 lymphocytes in calves with a monoclonal antibody, CC76, to a restricted determinant of the bovine leukocyte-common antigen, CD45. Eur J Immunol. 1991 Sep;21(9):2219-26. PubMed PMID: 1716214. 2. Howard, C.J. and Naessens, J. (1993) Summary of workshop findings for cattle. Vet. Immunol.Immunopathol. 39: 25-48. 3. Sopp, P. and Howard, C.J. (2001) IFN gamma and IL-4 production by CD4, CD8, and WC1

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.

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gamma-delta TCR+ cells from cattle lymph nodes and blood. Vet. Immunol. Immunopathol. 81: 85-96.

4. Bembridge GP, Parsons KR, Sopp P, MacHugh ND, Howard CJ. Comparison of monoclonal antibodies with potential specificity for restricted isoforms of the leukocyte common antigen (CD45R). Vet Immunol Immunopathol. 1993 Nov;39(1-3):129-36. PubMed PMID: 8310638.

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