

US office: Acris Antibodies, Inc. San Diego, CA UNITED STATES Phone: +1-858-888-7900 Fax: +1-858-888-7904 US-info@acris-antibodies.com

CI 007FX Acris Antibodies GmbH

Schillerstr. 5 32052 Herford GERMANY Phone: +49-5221-34606-0 Fax: +49-5221-34606-11 info@acris-antibodies.com



Specificity:

Applications:

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. Antibody CL007 reacts with a protein of approximately 30 kDa found on mouse thymocytes and mouse cytotoxic/ suppressor T cells. It does not bind to mouse helper/inducer T cells. It binds to T lymphocytes from all mouse strains regardless of phenotypic expression (i.e. reacts with T lymphocytes from mouse strains expressing the Ly 2.1 or Ly 2.2 phenotype). It can be used to investigate the role of T cells in models for infectious disease. autoimmunity, transplantation tolerance and fundamental aspects of immunology. Species: Mouse.

Other species not tested.

Flow Cytometry.

Immunohistochemistry on frozen sections.

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



CL007FX: Monoclonal Antibody to CD8 - FITC

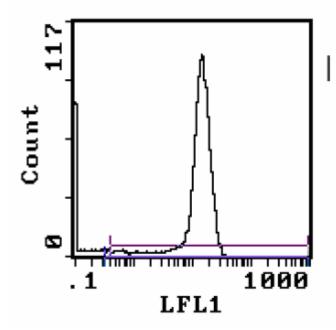
Add. Information:	Strain Distribution by Flow Cytometry Analysis: Procedure: see below Cell Concentration: 1x10e6 cells per test Antibody Concentration Used: 0.1 µg/10e6 cells Strains Tested: BALB/c, C57BL/6 Positive: BALB/c, C57BL/6 Negative: non
Storage:	Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General References:	 Cobbald S.P et al. (1984) Nature. Therapy with monoclonal antibodies by elimination of T cell subsets in vivo 312, 5994, 548-551. Cobbald S.P. et al. 8th International Conference on Lymphatic Tissues and Germinal Centres. Plenum Press (Ed. Klaus G.) in press (1984) Immunosuppression with monoclonal antibodies - rules for effective serotherapy. Aqel N.M. et al. (1984) J. of Immunol. Methods. 69: 207-214. Immunohistological Screening in the selection of monoclonal antibodies: the use of isotype specific antiglobulins. Ledbetter J.A. and Hertzenberg L.A. (1979) Nature. 277: 131-133. Rat x Rat hybrid myelomas and a monoclonal anti-Fd portion of mouse Ig. Mueller, R. et al. (1997) J. of Immunol. 159: 1599-1603. IL-4 Expression by Grafts from Transgenic Mice Fails to Prevent Allograft Rejection. Stevenson, P.G. et al. (1997) J. of Immunol. 159: 1876-1884. Virus Dissemination Through the Brain Parenchyma Without Immunologic Control.
Protocols:	 FLOW CYTOMETRY ANALYSIS: Method: 1. Prepare a cell suspension in media A. For cell preparations, deplete the red blood cell population with Lympholyte®-M cell separation medium. 2. Wash 2 times. 3. Resuspend the cells to a concentration of 2x107 cells/ml in media A. Add 50µl of this suspension to each tube (each tube will then contain 1 x 106 cells, representing 1 test). 4. To each tube, add 0.1-0.5 µg* of CL007F per 106 cells. 5. Vortex the tubes to ensure thorough mixing of antibody and cells. 6. Incubate the tubes for 30 minutes at 4°C. (It is recommended that the tubes are protected from light, since most flurochromes are light sensitive.) 7. Wash 2 times at 4°C. 8. Resuspend the cell pellet in 50 µl ice cold media B. 9. Transfer to suitable tubes for flow cytometric analysis containing 15 µl of propidium iodide at 0.5 mg/ml in PBS. This stains dead cells by intercalating in DNA. Media: A. Phosphate buffered saline (pH 7.2) + 5% normal serum of host species + sodium azide (100 µl of 2M sodium azide in 100 mls). B. Phosphate buffered saline (pH 7.2) + 0.5% Bovine serum albumin + sodium azide (100 µl

of 2M sodium azide in 100 mls).

CL007FX: Monoclonal Antibody to CD8 - FITC



Pictures:



Tissue Distribution by Flow Cytometry Analysis: Mouse Strain: BALB/c Cell Concentration: 1x10e6 cells per test Antibody Concentration Used: 0.1 μg/10e6 cells Isotypic Control: FITC Rat IgG2b

Cell Source Percentage of cells stained above control: Thymus 74.4%