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**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

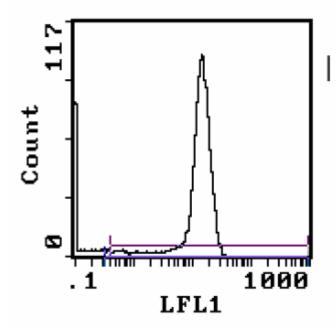
| Add. Information:   | Strain Distribution by Flow Cytometry Analysis:<br>Procedure: see below<br>Cell Concentration: 1x10e6 cells per test<br>Antibody Concentration Used: 0.1 µg/10e6 cells<br>Strains Tested: BALB/c, C57BL/6<br>Positive: BALB/c, C57BL/6<br>Negative: non  |
|---------------------|--|
| 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.<br>Shelf life: one year from despatch.  |
| General References: | <ol> <li>Cobbald S.P et al. (1984) Nature. Therapy with monoclonal antibodies by elimination of T cell subsets in vivo 312, 5994, 548-551.</li> <li>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.</li> <li>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.</li> <li>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.</li> <li>Mueller, R. et al. (1997) J. of Immunol. 159: 1599-1603. IL-4 Expression by Grafts from Transgenic Mice Fails to Prevent Allograft Rejection.</li> <li>Stevenson, P.G. et al. (1997) J. of Immunol. 159: 1876-1884. Virus Dissemination Through the Brain Parenchyma Without Immunologic Control.</li> </ol>   |
| Protocols:          | <ul> <li>FLOW CYTOMETRY ANALYSIS:<br/>Method:</li> <li>1. Prepare a cell suspension in media A. For cell preparations, deplete the red blood cell population with Lympholyte®-M cell separation medium.</li> <li>2. Wash 2 times.</li> <li>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).</li> <li>4. To each tube, add 0.1-0.5 µg* of CL007F per 106 cells.</li> <li>5. Vortex the tubes to ensure thorough mixing of antibody and cells.</li> <li>6. Incubate the tubes for 30 minutes at 4°C.</li> <li>(It is recommended that the tubes are protected from light, since most flurochromes are light sensitive.)</li> <li>7. Wash 2 times at 4°C.</li> <li>8. Resuspend the cell pellet in 50 µl ice cold media B.</li> <li>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.</li> </ul> Media: <ul> <li>A. Phosphate buffered saline (pH 7.2) + 5% normal serum of host species + sodium azide (100 µl of 2M sodium azide in 100 mls).</li> <li>B. Phosphate buffered saline (pH 7.2) + 0.5% Bovine serum albumin + sodium azide (100 µl</li> </ul> |

of 2M sodium azide in 100 mls).

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**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%