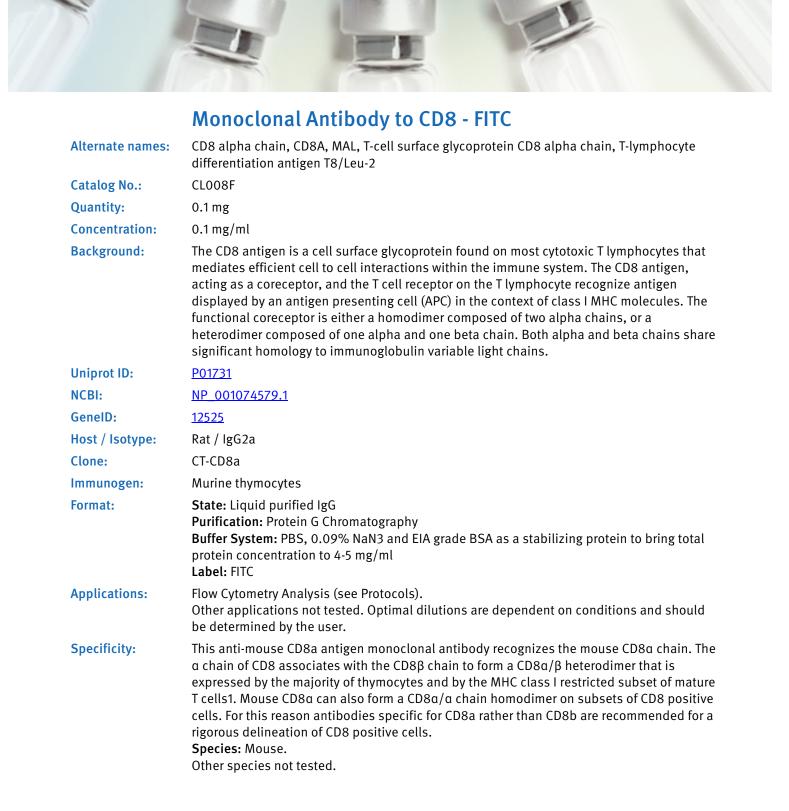


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CL008F: Monoclonal Antibody to CD8 - FITC

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 proteced from light. Shelf life: one year from despatch.
	Shell life: one year from despatch.

General References: 1. Tomonari, k. and Spencer, S. 1990 Epitope-specific binding of CD8 regulates activation of T cells and induction of cytotoxicity. International Immunology 2(12): 1189-1194.
2. Sharon, M., et al. 1999. Interleukin-12 Gene Transfer Results in CD8- Dependant Regression of Mouse CT26 Liver Tumors. Animals of Surgical Oncology 6(2): 186-194.

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 2x10e7 cells/ml in media A. Add 50 µl of this suspension to each tube (each tube will then contain 1 x 10e6 cells, representing 1 test). 4. To each tube, add ~1.0 µg* of this Ab per 1x10e6 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 fluorochromes 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 μ l 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 μ l of 2M sodium azide in 100 mls).

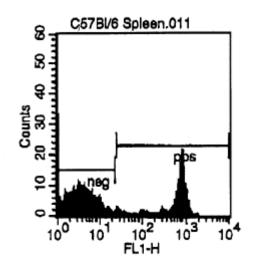
B. Phosphate buffered saline (pH 7.2) + 0.5% Bovine serum albumin + sodium azide (100 μl of 2M sodium azide in 100 mls).

Results:

<u>Mouse Strain</u>: C57BL/6 <u>Cell Concentration</u>: 1x10e6 cells per test <u>Antibody Concentration Used</u>: 1.0 µg/10e6 cells <u>Isotypic Control</u>: FITC Rat IgG2a







Representative Histogram - Cell Source: CD3e Positive Spleen Cells Percentage of cells stained above control: 34.7%