

## Product datasheet for **CL010P**

### Cd8a Mouse Monoclonal Antibody [Clone ID: AD4(15)]

#### Product data:

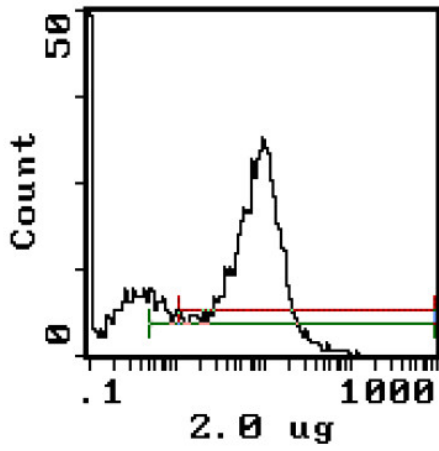
Product Type:	Primary Antibodies
Clone Name:	AD4(15)
Applications:	CT, FC
Recommended Dilution:	<b>Cytotoxicity assays.</b> <b>Flow Cytometry.</b> <i>Results:</i> <i>Tissue Distribution by Flow Cytometry Analysis:</i> Mouse Strain: BALB/c Cell Concentration : 1x10 <sup>6</sup> cells per test. Antibody Concentration Used: 2.0 µg /10 <sup>6</sup> cells. Isotypic Control: Mouse IgM. Cell Source (Percentage of cells stained above control): Spleen (10.2%), Thymus (66.0%).
Reactivity:	Mouse
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Immunogen:	C57BL/6 <u>Donor:</u> B6-Ly-2a spleen <u>Fusion Partner:</u> Myeloma P3/X63-Ag8
Specificity:	Anti-mouse CD8a (Ly 2.2) monoclonal antibody reacts with a sub-population of T-lymphocytes from Mouse strains expressing the Ly-2.2 phenotype but does not react with lymphocytes from strains expressing the Ly-2.1 phenotype.
Formulation:	PBS State: Purified State: Liquid purified IgG fraction Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Purification:	Euglobin precipitation
Conjugation:	Unconjugated



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<b>Storage:</b>	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	CD8 antigen, alpha chain
<b>Database Link:</b>	<a href="#">Entrez Gene 12525 Mouse P01731</a>
<b>Synonyms:</b>	CD8 alpha chain, CD8A, MAL
<b>Note:</b>	<p>Protocol: <b>FLOW CYTOMETRY ANALYSIS:</b></p> <p><b>Method:</b></p> <ol style="list-style-type: none"><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 <math>2 \times 10^7</math> cells/ml in media A. Add 50 µl of this suspension to each tube (each tube will then contain <math>1 \times 10^6</math> cells, representing 1 test).</li><li>4. To each tube, add 2.0 µg of this antibody <i>Cat.-No</i> CL010P.</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>7. Wash 2 times at 4°C.</li><li>8. Add 100 µl of secondary antibody (FITC Goat anti-mouse IgM-3 (H+L)) at 1/500 dilution.</li><li>9. Incubate the tubes at 4°C for 30-60 minutes. (It is recommended that the tubes are protected from light since most fluorochromes are light sensitive).</li><li>10. Wash 2 times at 4°C in media B.</li><li>11. Resuspend the cell pellet in 50 µl ice cold media B.</li><li>12. 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></ol> <p><b>Media:</b></p> <p>A. Phosphate buffered saline (pH 7.2) + 5% normal serum of host species + sodium azide (100 µl of 2M sodium azide in 100 mls).</p> <p>B. Phosphate buffered saline (pH 7.2) + 0.5% Bovine serum albumin + sodium azide (100 µl of 2M sodium azide in 100 mls).</p>

Product images:



Cell Source: Thymus. Percentage of cells stained above control: 66.0%