

## Product datasheet for **AM26037FC-S**

### IL2ra Rat Monoclonal Antibody [Clone ID: PC61.5.3]

#### Product data:

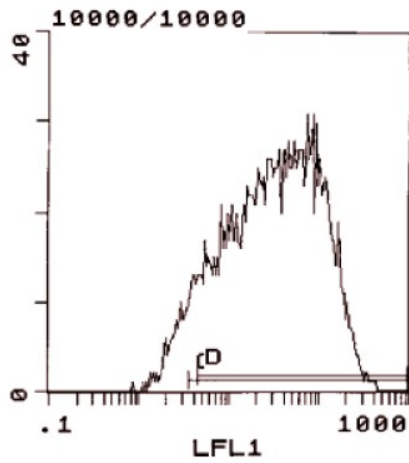
Product Type:	Primary Antibodies
Clone Name:	PC61.5.3
Applications:	FC
Recommended Dilution:	<b>Immunoprecipitation.</b> <b>Flow Cytometry.</b>
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	B6.1 CTL Cell line <u>Donor:</u> OFA rat spleen <u>Fusion Partner:</u> mouse myeloma line P3X63Ag8.653
Specificity:	This monoclonal antibody reacts with the low affinity alpha chain of the Interleukin-2 receptor antigen present on activated T and B cells in mice. AM26037FC inhibits IL-2 binding and IL-2 dependent proliferation.
Formulation:	PBS containing 0.02% Sodium Azide as preservative and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml. Label: FITC State: Liquid purified Ig fraction Label: Fluorescein isothiocyanate isomer 1
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	FITC
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Gene Name:	interleukin 2 receptor, alpha chain
Database Link:	<a href="#">Entrez Gene 16184 Mouse P01590</a>
Synonyms:	Interleukin-2 receptor alpha chain, IL-2 receptor alpha subunit, IL-2-RA, IL2-RA, p55, TAC antigen
Note:	<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 <math>\mu</math>l 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 0.5-1.0 <math>\mu</math>g of AM26037FC per <math>10^6</math> 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. (It is recommended that the tubes are protected from light, since most fluorochromes are light sensitive.)</li><li>7. Wash 2 times at 4°C.</li><li>8. Resuspend the cell pellet in 50 <math>\mu</math>l ice cold media B.</li><li>9. Transfer to suitable tubes for flow cytometric analysis containing 15 <math>\mu</math>l 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 <math>\mu</math>l of 2M sodium azide in 100 mls).</p> <p>B. Phosphate buffered saline (pH 7.2) + 0.5% Bovine serum albumin + sodium azide (100 <math>\mu</math>l of 2M sodium azide in 100 mls).</p> <p><b>Results:</b></p> <p>Tissue Distribution by Flow Cytometry Analysis:</p> <p><u>Mouse Strain:</u> BALB/c</p> <p><u>Cell Concentration:</u> <math>1 \times 10^6</math> cells per tests</p> <p><u>Antibody Concentration Used:</u> 1.0 <math>\mu</math>g/<math>10^6</math> cells</p> <p><u>Isotypic Control:</u> FITC Rat IgG1</p> <p><u>Cell Source Percentage of cells stained above control:</u></p> <p>T Cell Blasts (Con A activated) 90.9%</p> <p>Thymus (unactivated) 3.8%</p>

Product images:



Cell Source: T Cell Blasts (Con A Activated)  
Percentage of cells stained above control: 90.9%