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Product datasheet for AM26037FC-L

Il2ra Rat Monoclonal Antibody [Clone ID: PC61.5.3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	PC61.5.3
Applications:	FC
Recommended Dilution:	**Immunoprecipitation.** **Flow Cytometry.**
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	B6.1 CTL Cell line Donor: OFA rat spleen Fusion Partner: 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: Entrez Gene 16184 Mouse
P01590

Synonyms: Interleukin-2 receptor alpha chain, IL-2 receptor alpha subunit, IL-2-RA, IL2-RA, p55, TAC antigen

Note: Protocol: **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 0.5-1.0 µg of AM26037FC per 10e6 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 µl of propidium iodide at 0.5 mg/ml in PBS. This stains dead cells by intercalating in DNA.

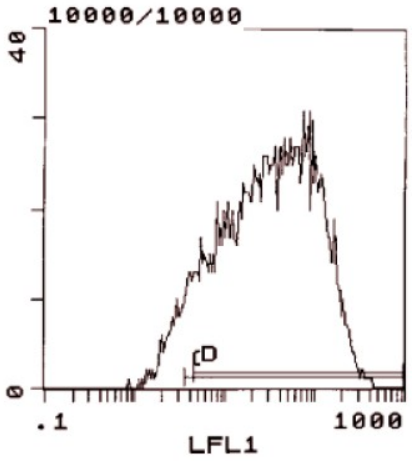
Media:

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).

Results:

Tissue Distribution by Flow Cytometry Analysis:
Mouse Strain: BALB/c
Cell Concentration: 1x10e6 cells per tests
Antibody Concentration Used: 1.0 µg/10e6 cells
Isotypic Control: FITC Rat IgG1
Cell Source Percentage of cells stained above control:
T Cell Blasts (Con A activated) 90.9%
Thymus (unactivated) 3.8%

Product images:



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