

Product datasheet for **AM26037BT-N**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	PC61.5.3
Applications:	FC, IHC, IP
Recommended Dilution:	Immunoprecipitation. Immunohistochemistry on frozen sections. Flow Cytometry.
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:	Anti-mouse CD25 (IL-2R) monoclonal antibody reacts with the low affinity alpha chain of the interleukin-2 receptor antigen present on activated T and B cells in mice. CL8925B 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: Biotin State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	Biotin
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.
Stability:	Shelf life: one year from despatch.
Gene Name:	interleukin 2 receptor, alpha chain



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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 2×10^7 cells/ml in media A. Add 50 μ l of this suspension to each tube (each tube will then contain 1×10^6 cells, representing 1 test).
4. To each tube, add 0.2-0.1 μ g* of AM26037BT-N or AM26037BT-L per 10^6 cells.
5. Vortex the tubes to ensure thorough mixing of antibody and cells.
6. Incubate the tubes for 30 minutes at 4°C.
7. Wash 2 times at 4°C.
8. Add 100 μ l of secondary antibody (Streptavidin-FITC) at a 1/500 dilution.
9. Incubate tubes at 4°C for 30 - 60 minutes (It is recommended that tubes are protected from light since most fluorochromes are light sensitive).
10. Wash 2 times at 4°C.
11. Resuspend the cell pellet in 50 μ l ice cold media B.
12. 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 μ l of 2M sodium azide in 100 mls).

Results:

Tissue Distribution by Flow Cytometry Analysis:

Mouse Strain: BALB/c

Cell Concentration: 1×10^6 cells per tests

Antibody Concentration Used: 0.1 μ g/ 10^6 cells

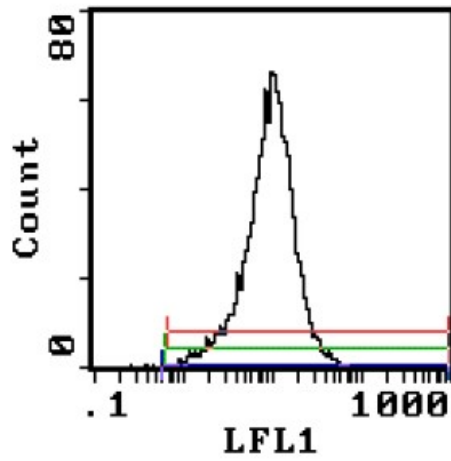
Isotypic Control: Biotin Rat IgG1

Cell Source Percentage of cells stained above control:

Cell Blasts (Con A activated) 99.4%

Thymus (unactivated) 1.7%

Product images:



Cell Source: T Cell Blasts (Con A Activated)
Percentage of cells stained above control: 99.4%