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Conveniently Delivering You Today's Innovations
 for the Science of Tomorrow™

Anti-Mouse CD25 (IL-2R) Monoclonal Antibody

| Catalogue# | Format | Size | Concentration | Isotype Control |
|-------------------|------------------------|--------|---------------|-----------------|
| CL8925A | Ascites | 0.5 ml | N/A | CLCR100 |
| CL8925AP | Purified | 250 µg | 1.0 mg/ml | CLCR100 |
| CL8925LE | Purified/Low Endotoxin | 500 µg | 1.0 mg/ml | CLCR100 |
| CL8925NA | Purified/No Azide | 1 mg | 1.0 mg/ml | CLCR100 |
| CL8925APC | APC | 100 µg | 0.1 mg/ml | CLCR105 |
| CL8925B | Biotin | 100 µg | 0.1 mg/ml | CLCR115 |
| CL8925B-3 | Biotin | 300 µg | 0.1 mg/ml | CLCR115 |
| CL8925F | FITC | 100 µg | 0.1 mg/ml | CLCR101 |
| CL8925F-3 | FITC | 300 µg | 0.1 mg/ml | CLCR101 |
| CL8925PE | PE | 50 µg | 0.1 mg/ml | CLCR104 |
| CL8925PE-3 | PE | 300 µg | 0.1 mg/ml | CLCR104 |
| CL8925AF4 | Alexa Fluor®488 | 100 µg | 0.1 mg/ml | N/A |

Alexa Fluor® is a registered trademark of Life Technologies Corporation.

Isotype: Rat IgG₁

DESCRIPTION:

Cedrelane's 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. CL8925NA inhibits IL-2 binding and IL-2 dependent proliferation. Applications include flow cytometry and immunoprecipitation. (1,2,3). This clone has also been referenced to work in immunohistochemistry (4).

PRESENTATION:

Purified: Purified IgG buffered in PBS and 0.02% NaN₃. (Purified from ascitic fluid via Protein G Chromatography). For maximum recovery of contents, spin down tube before use.

LE: No preservative added. 0.2µm sterile filtered.

Biotin, FITC, PE, APC and AF488: Biotin/FITC/PE/APC/AF488 conjugated IgG buffered in PBS, 0.02% NaN₃ and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml.

No Azide: Purified Ig buffered in PBS, no preservative, 0.2µm sterile filtered.

STORAGE/STABILITY:

For all formats, store at 4°C. DO NOT FREEZE **PE, APC and AF488** conjugates. For long term storage (**Purified, Biotin, FITC, No Azide, LE**), aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

Visit our website for your local distributor.

SPECIFICATIONS:

Clone: PC61.5.3

Hybridoma Production:

Immunization: Immunogen: B6.1 CTL Cell line
Donor: OFA rat spleen
Fusion Partner: Mouse myeloma line P3X63Ag8.

Specificity: Mouse CD25 (IL-2 receptor, α chain)

TEST RESULTS:

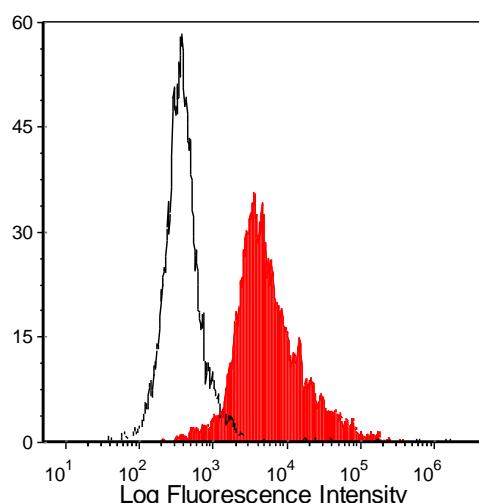
Tissue Distribution by Flow Cytometry Analysis:

Mouse Strain: BALB/c

Cell Concentration: 1×10^6 cells per tests

Antibody Concentration Used: 0.2-0.5 μ g/ 10^6 cells

Percentage of cells stained above control: 96.5%



Con A-stimulated (3 days) C57/BL6 splenocytes were stained with anti-CD25 (clone: PC61.5.3) (filled histogram) or rat IgG1 isotype control (open histogram).

N.B. Appropriate control samples should always be included in any labeling studies.

* For optimal results in various applications, it is recommended that each investigator determine dilutions appropriate for individual use.

REFERENCES:

- 1) Moreau J. L., Nabholz M, Diamantstein T., Malek T., Shevach E., Thèze, J. (1987). Monoclonal antibodies identify three epitope clusters on the mouse p55 subunit of the interleukin 2 receptor: relationship to the interleukin 2 binding site. European J. Immunol. 17, 1835-1838.
- 2) Hashimoto N, Nabholz M, MacDonald HR, Zubler RH (1986). Dissociation of interleukin 2 dependent and independent B cell proliferation with monoclonal anti-interleukin 2 receptor antibody. European J. Immunol. 16, 317-320.
- 3) Lowenthal JW, Corthésy P, Tougne C, Lees R, MacDonald HR, Nabholz M (1985). High and low affinity IL-2 receptors: Analysis by IL-2 dissociation rate and reactivity with monoclonal anti-receptor antibody PC61. J. Immunol. 135: 3988-3994.
- 4) Ceredig R, Lowenthal J.W., Nabholz M., Macdonald H.R. (1985) Expression of interleukin-2 receptor as a differentiation marker on intrathymic stem cells. Nature.314: 98-100.

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