

## Datasheet: MCA1260PE

<b>Description:</b>	RAT ANTI MOUSE CD25:RPE
<b>Specificity:</b>	CD25
<b>Other names:</b>	IL-2R ALPHA CHAIN
<b>Format:</b>	RPE
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	PC61.5.3
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.5 ml

## Product Details

**RRID** AB\_321537

**Applications** This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	■			Neat

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

**Target Species** Mouse

**Product Form** Purified IgG conjugated to R. Phycoerythrin (RPE) - liquid

Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE 488nm laser	496	578

**Preparation** Purified IgG prepared by affinity chromatography on Protein G

**Buffer Solution** Phosphate buffered saline

**Preservative** 0.02% Sodium Azide  
**Stabilisers** 0.5% Bovine Serum Albumin

**Approx. Protein Concentrations** IgG concentration 0.1 mg/ml

**Immunogen** B6.1 CTL cell line.

**External Database Links** **UniProt:**

[P01590](#)   [Related reagents](#)

**Entrez Gene:**

[16184](#)   IL2ra   [Related reagents](#)

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<b>Synonyms</b>	IL2r
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<b>Fusion Partners</b>	Spleen cells from immunized OFA rats were fused with cells of the P3X63Ag8.653 mouse myeloma cell line.
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<b>Specificity</b>	<b>Rat anti Mouse CD25 antibody, clone PC61.5.3</b> reacts with the low affinity alpha chain of the interleukin-2 receptor present on activated T and B cells in mice. Rat anti Mouse CD25 antibody, clone PC61.5.3 is reported to inhibit IL-2 binding and IL-2 dependent proliferation.
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<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul.  The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity fc receptors. This may be reduced by using SeroBlock FcR ( <a href="#">BUF041A/B</a> ).
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<b>References</b>	<ol style="list-style-type: none"><li>1. Moreau, J.L. <i>et al.</i> (1987) Monoclonal antibodies identify three epitope clusters on the mouse p55 subunit of the interleukin 2 receptor: relationship to the interleukin 2-binding site. <a href="#">Eur J Immunol. 17 (7): 929-35.</a></li><li>2. Hashimoto, N. <i>et al.</i> (1986) Dissociation of interleukin 2-dependent and -independent B cell proliferation with monoclonal anti-interleukin 2 receptor antibody. <a href="#">Eur J Immunol. 16 (3): 317-20.</a></li><li>3. Lowenthal, J.W. <i>et al.</i> (1985) High and low affinity IL 2 receptors: analysis by IL 2 dissociation rate and reactivity with monoclonal anti-receptor antibody PC61. <a href="#">J Immunol. 135 (6): 3988-94.</a></li><li>4. Ceredig, R. <i>et al.</i> (1985) Expression of interleukin-2 receptor as a differentiation marker on intrathymic stem cells. <a href="#">Nature 314: 98-100.</a></li><li>5. Yaqoob, P. &amp; Calder, P.C. (1997) Glutamine requirement of proliferating T lymphocytes. <a href="#">Nutrition. 13 (7-8): 646-51.</a></li><li>6. Scotland, R.S. <i>et al.</i> (2011) Sex differences in resident immune cell phenotype underlie more efficient acute inflammatory responses in female mice. <a href="#">Blood. 118 (22): 5918-27.</a></li><li>7. Karali, D. <i>et al.</i> (2016) T cell regulation by <i>Phlomis lanata</i> protein extracts in mice. <a href="#">Pharm Biol. 54 (2): 207-14.</a></li></ol>
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<b>Storage</b>	Store at +4°C.  DO NOT FREEZE.  This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.
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<b>Guarantee</b>	6 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10041 available at: 10041: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf</a>
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Useful Reagents

[MOUSE SEROBLOCK FcR \(BUF041A\)](#)

[MOUSE SEROBLOCK FcR \(BUF041B\)](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

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