

## Datasheet: MCA1303PE

<b>Description:</b>	RAT ANTI MOUSE INTERLEUKIN-2:RPE
<b>Specificity:</b>	IL-2
<b>Format:</b>	RPE
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	JES6-5H4
<b>Isotype:</b>	IgG2b
<b>Quantity:</b>	100 TESTS

## Product Details

**RRID** AB\_322136

**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 (1)	▪			Neat - 1/10

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

(1) **Membrane permeabilization is required for this application. Bio-Rad recommends the use of Leucoperm (BUF09) for this purpose.**

**Target Species** Mouse

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

**Reconstitution** Reconstitute with 1 ml distilled water

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 from tissue culture supernatant

**Buffer Solution** Phosphate buffered saline

**Preservative** 0.09% Sodium Azide  
**Stabilisers** 1% Bovine Serum Albumin  
 5% Sucrose

**Immunogen** Recombinant Mouse IL-2.

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

[P04351](#) [Related reagents](#)

**Entrez Gene:**

[16183](#) IL2 [Related reagents](#)

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<b>Synonyms</b>	IL-2
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<b>Fusion Partners</b>	Spleen cells from immunised BALB/c mice were fused with cells of the mouse P3.X63 Ag8.653 myeloma cell line.
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<b>Specificity</b>	<p><b>Rat anti Mouse Interleukin-2 antibody, clone JES6-5H4</b> recognizes natural and recombinant murine IL-2.</p> <p>Rat anti Mouse Interleukin-2 antibody, clone JES6-5H4 does not function as a blocking antibody (<a href="#">Sander <i>et al.</i> 1993</a>). For neutralization of murine IL-2 we recommend the use of Rat anti Mouse IL-2 antibody, clone JES6-1A12 (<a href="#">MCA1493</a>).</p>
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<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 1x10 <sup>6</sup> cells in 100ul.
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<b>References</b>	<ol style="list-style-type: none"><li>1. Tachibana, M. <i>et al.</i> (2000) Coreceptor function of mutant human CD4 molecules without affinity to gp120 of human immunodeficiency virus. <a href="#">J Biol Chem. 275 (27): 20288-94.</a></li><li>2. Abrams, J.S. <i>et al.</i> (1992) Strategies of anti-cytokine monoclonal antibody development: immunoassay of IL-10 and IL-5 in clinical samples. <a href="#">Immunol Rev. 127: 5-24.</a></li><li>3. Pletinckx, K. <i>et al.</i> (2015) Immature dendritic cells convert anergic nonregulatory T cells into Foxp3- IL-10+ regulatory T cells by engaging CD28 and CTLA-4. <a href="#">Eur J Immunol. 45 (2): 480-91.</a></li></ol>
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<b>Storage</b>	<p>Store at +4°C.</p> <p>DO NOT FREEZE</p> <p>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.</p>
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<b>Guarantee</b>	12 months from date of reconstitution.
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10075 available at: 10075: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10075.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 America** Tel: +1 800 265 7376  
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