

## Datasheet: MCA1531PE

<b>Description:</b>	RAT ANTI HUMAN INTERLEUKIN-10:RPE
<b>Specificity:</b>	IL-10
<b>Format:</b>	RPE
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	JES3-9D7
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	100 TESTS

## Product Details

### 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

Where this product 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 product for use in their own system using appropriate negative/positive controls.

**(1) Membrane permeabilization is required for this application. The use of Leucoperm (Product Code [BUF09](#)) is recommended for this purpose.**

<b>Target Species</b>	Human		
<b>Product Form</b>	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized		
<b>Reconstitution</b>	Reconstitute with 1.0 ml distilled water		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	RPE 488nm laser	496	578
<b>Preparation</b>	Antibody purified from tissue culture supernatant		
<b>Buffer Solution</b>	Phosphate buffered saline		
<b>Preservative Stabilisers</b>	0.09% sodium azide (NaN <sub>3</sub> )		
	1% bovine serum albumin		
	5% sucrose		

Immunogen	Recombinant human IL-10.
External Database Links	<p><b>UniProt:</b>  <a href="#">P22301</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">3586</a>   IL10   <a href="#">Related reagents</a></p>
RRID	AB_322155
Specificity	<p><b>Rat anti Human Interleukin-10 antibody, clone JES3-9D7</b> recognizes human Interleukin - 10 (IL-10). IL-10 is an immunoregulatory cytokine which is expressed by activated CD8+ve peripheral blood T-cells, CD4+ve T-cell clones, B cell lymphomas, activated monocytes and mast cells.</p> <p>Rat anti Human Interleukin-10 antibody, clone JES3-9D7 is reported to act as a neutralising antibody (<a href="#">Othieno <i>et al.</i> 1999</a>).</p>
Flow Cytometry	Use 10µl of the suggested working dilution to label 10 <sup>6</sup> cells in 100µl
References	<ol style="list-style-type: none"> <li>1. 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>2. Cua, D.J. <i>et al.</i> (1999) Transgenic interleukin 10 prevents induction of experimental autoimmune encephalomyelitis. <a href="#">J Exp Med. 189: 1005-10.</a></li> <li>3. Lindmark, E. &amp; Siegbahn, A. (2002) Tissue factor regulation and cytokine expression in monocyte-endothelial cell co-cultures: effects of a statin, an ACE-inhibitor and a low-molecular-weight heparin. <a href="#">Thromb Res. 108 (1): 77-84.</a></li> <li>4. Benjamin, J.L. <i>et al.</i> (2011) Randomised, double-blind, placebo-controlled trial of fructo-oligosaccharides in active Crohn's disease. <a href="#">Gut. 60 (7): 923-9.</a></li> </ol>
Storage	<p>Prior to reconstitution store at +4°C.</p> <p>After reconstitution 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 micro-centrifugation before use.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #20487 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA1531PE">https://www.bio-rad-antibodies.com/SDS/MCA1531PE</a></p> <p>20487</p>
Regulatory	For research purposes only

## Related Products

### Recommended Negative Controls

[RAT IgG1 NEGATIVE CONTROL:RPE \(MCA6004PE\)](#)

## Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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