

## Datasheet: MCA1263PE

**BATCH NUMBER 158562**

<b>Description:</b>	MOUSE ANTI HUMAN CD123:RPE
<b>Specificity:</b>	CD123
<b>Other names:</b>	INTERLEUKIN 3 RECEPTOR ALPHA
<b>Format:</b>	RPE
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	6H6
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	100 TESTS/0.5ml

## 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	▪			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.

<b>Target Species</b>	Human		
<b>Product Form</b>	Purified IgG conjugated to R. Phycoerythrin (RPE) - liquid		
<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>	Purified IgG prepared by affinity chromatography		
<b>Buffer Solution</b>	Phosphate buffered saline		
<b>Preservative</b>	0.09% Sodium Azide (NaN <sub>3</sub> )		
<b>Stabilisers</b>	0.2% Bovine Serum Albumin		
<b>External Database Links</b>	<b>UniProt:</b>		

[P26951](#)   [Related reagents](#)

**Entrez Gene:**

[3563](#)   IL3RA   [Related reagents](#)

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<b>Synonyms</b>	IL3R
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<b>Specificity</b>	<p><b>Mouse anti Human CD123 antibody, clone 6H6</b> recognizes the human interleukin-3 (IL-3) receptor alpha chain, also known as CD123. Mouse anti Human CD123 antibody, clone 6H6 is useful for monitoring expression of the IL-3 receptor on activated endothelial cells, monocytes and eosinophils, sorting bone marrow progenitor cells and purification of basophils.</p> <p>Mouse anti Human CD123 antibody, clone 6H6 does not neutralize the activity of the IL-3 receptor alpha chain.</p>
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<b>Flow Cytometry</b>	Use 5µl of the suggested working dilution to label 1 x 10 <sup>6</sup> cells in 100µl
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<b>References</b>	<ol style="list-style-type: none"><li>1. Shimizu, Y. <i>et al.</i> (2008) Interleukin-3 does not affect the differentiation of mast cells derived from human bone marrow progenitors. <a href="#">Immunol Invest.37: 1-17</a></li><li>2. Massone, C. <i>et al.</i> (2011) Immunophenotype of skin lymphocytic infiltrate in patients co-infected with Mycobacterium leprae and human immunodeficiency virus: a scenario dependent on CD8+ and/or CD20+ cells. <a href="#">Br J Dermatol. 165: 321-8.</a></li></ol>
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<b>Further Reading</b>	<ol style="list-style-type: none"><li>1. Korpelainen, E.I. <i>et al.</i> (1993) The receptor for interleukin 3 is selectively induced in human endothelial cells by tumor necrosis factor alpha and potentiates interleukin 8 secretion and neutrophil transmigration. <a href="#">Proc Natl Acad Sci U S A. 90 (23): 11137-41.</a></li></ol>
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<b>Storage</b>	<p>Store at +4°C. 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>	Guaranteed until date of expiry. Please see product label.
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<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #10041 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA1263PE">https://www.bio-rad-antibodies.com/SDS/MCA1263PE</a></p> <p>10041</p>
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:RPE \(MCA928PE\)](#)

**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**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

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

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

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

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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