

## Datasheet: MCA1263PE

**BATCH NUMBER 167092**

<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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**Synonyms**      IL3R

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**Specificity**      **Mouse anti Human CD123 antibody, clone 6H6** 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.

Mouse anti Human CD123 antibody, clone 6H6 does not neutralize the activity of the IL-3 receptor alpha chain.

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**Flow Cytometry**      Use 5µl of the suggested working dilution to label 1 x 10<sup>6</sup> cells in 100µl

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**References**

1. Shimizu, Y. *et al.* (2008) Interleukin-3 does not affect the differentiation of mast cells derived from human bone marrow progenitors. [Immunol Invest.37: 1-17](#)
2. Massone, C. *et al.* (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. [Br J Dermatol. 165: 321-8.](#)
3. Pistulli, R. *et al.* (2020) Characterization of dendritic cells in human and experimental myocarditis. [ESC Heart Fail. 7 \(5\): 2305-17.](#)

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**Further Reading**

1. Korpelainen, E.I. *et al.* (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. [Proc Natl Acad Sci U S A. 90 \(23\): 11137-41.](#)

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**Storage**      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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**Guarantee**      Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.

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**Health And Safety Information**      Material Safety Datasheet documentation #10041 available at:  
<https://www.bio-rad-antibodies.com/SDS/MCA1263PE>  
10041

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**Regulatory**      For research purposes only

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## Related Products

### Recommended Negative Controls

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

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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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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