Datasheet: MCA1263PE

Description:	MOUSE ANTI HUMAN CD123:RPE
Specificity:	CD123
Other names:	INTERLEUKIN 3 RECEPTOR ALPHA
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	6H6
Isotype:	IgG1
Quantity:	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.

	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.

Target Species

Human

Product Form

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

Preparation

Purified IgG prepared by affinity chromatography

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN_3)
0.2% Bovine Serum Albumin

External Database Links

UniProt:
P26951 Related reagents

Entrez Gene:
3563 IL3RA Related reagents

Synonyms

IL3R

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.
Flow Cytometry	Use 5µl of the suggested working dilution to label 1 x 10^6 cells in 100µl
References	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. 2. 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 3. 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.
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.
Shelf Life	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation available at: Material Safety Datasheet documentation #10041 available at https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL:RPE (MCA928PE)

North & South America Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: 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

Europe Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com

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