

Datasheet: MCA6066PE

Description:	HAMSTER ANTI MOUSE Fc EPSILON R1 ALPHA:RPE
Specificity:	Fc EPSILON R1 ALPHA
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	MAR-1
Isotype:	IgG
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	▪			1/8 - 1/20

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	Mouse									
Product Form	Purified IgG conjugated to R. Phycoerythrin (RPE) - liquid									
Max Ex/Em	<table><tr><th>Fluorophore</th><th>Excitation (nm)</th><th>Emission (nm)</th></tr><tr><td>PE 488nm laser</td><td>496</td><td>578</td></tr><tr><td>PE 561nm laser</td><td>546</td><td>578</td></tr></table>	Fluorophore	Excitation (nm)	Emission (nm)	PE 488nm laser	496	578	PE 561nm laser	546	578
Fluorophore	Excitation (nm)	Emission (nm)								
PE 488nm laser	496	578								
PE 561nm laser	546	578								
Preparation	Purified IgG prepared by affinity chromatography									
Buffer Solution	Phosphate buffered saline									
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)									
Immunogen	Mouse Fc epsilon receptor alpha subunit									
External Database Links	UniProt: P20489 Related reagents Entrez Gene: 14125 Fcεr1a Related reagents									

Synonyms	Fce1a
Specificity	Hamster anti mouse Fc epsilon R1 alpha, clone MAR-1 recognizes Fc receptor epsilon R1 alpha also known as FcεRIalpha or high affinity IgE receptor. The Fc epsilon R1 complex is involved in initiating IgE-mediated allergic reactions. Fc receptor epsilon is primarily expressed on mast cells and basophils. Activation of Fc epsilon R1 leads to release of allergic mediators such as histamine.
Flow Cytometry	Use 10 µl of the suggested working dilution to label 1x10 ⁶ cells in 100ul
Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

[HAMSTER \(ARMENIAN\) IgG NEGATIVE CONTROL:RPE \(MCA2356PE\)](#)

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