

## Datasheet: MCA6066GA

|                      |                                        |
|----------------------|----------------------------------------|
| <b>Description:</b>  | HAMSTER ANTI MOUSE Fc EPSILON R1 ALPHA |
| <b>Specificity:</b>  | Fc EPSILON R1 ALPHA                    |
| <b>Format:</b>       | Purified                               |
| <b>Product Type:</b> | Monoclonal Antibody                    |
| <b>Clone:</b>        | MAR-1                                  |
| <b>Isotype:</b>      | IgG                                    |
| <b>Quantity:</b>     | 0.1 mg                                 |

## 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 | ▪   |    |                | 1/20 - 1/80        |

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>                 | Mouse                                                                                                                                                                                   |
| <b>Product Form</b>                   | Purified IgG - liquid                                                                                                                                                                   |
| <b>Preparation</b>                    | Purified IgG prepared by affinity chromatography                                                                                                                                        |
| <b>Buffer Solution</b>                | Phosphate buffered saline                                                                                                                                                               |
| <b>Preservative Stabilisers</b>       | 0.09% Sodium Azide (NaN <sub>3</sub> )                                                                                                                                                  |
| <b>Approx. Protein Concentrations</b> | IgG concentration 0.5 mg/ml                                                                                                                                                             |
| <b>Immunogen</b>                      | Mouse Fc epsilon receptor alpha subunit                                                                                                                                                 |
| <b>External Database Links</b>        | <p><b>UniProt:</b><br/> <a href="#">P20489</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b><br/> <a href="#">14125</a>   Fcer1a   <a href="#">Related reagents</a></p> |
| <b>Synonyms</b>                       | Fce1a                                                                                                                                                                                   |

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Specificity</b>                   | <b>Hamster anti mouse Fc epsilon R1 alpha, clone MAR-1</b> 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. |
| <b>Flow Cytometry</b>                | Use 10 µl of the suggested working dilution to label 1x10 <sup>6</sup> cells in 100ul                                                                                                                                                                                                                                                                                                                         |
| <b>Storage</b>                       | Store at +4°C. DO NOT FREEZE.<br>This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.                                                                                                                                                                                                                                              |
| <b>Shelf Life</b>                    | 18 months from date of despatch                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10040 available at <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>                                                                                                                                                                                                                 |
| <b>Regulatory</b>                    | For research purposes only                                                                                                                                                                                                                                                                                                                                                                                    |

## Related Products

### Recommended Secondary Antibodies

Goat Anti Hamster IgG (STAR104...) [DyLight®549](#), [DyLight®649](#), [DyLight®800](#), [FITC](#)

Goat Anti Hamster IgG (STAR79...) [Biotin](#), [FITC](#), [HRP](#), [RPE](#)

### Recommended Negative Controls

[HAMSTER \(ARMENIAN\) IgG NEGATIVE CONTROL \(MCA2356\)](#)

|                                  |                                                                                                                                         |                  |                                                                                                                                                 |               |                                                                                                                                                     |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
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