

## Datasheet: MCA419F

|                      |                                     |
|----------------------|-------------------------------------|
| <b>Description:</b>  | RAT ANTI MOUSE IgE HEAVY CHAIN:FITC |
| <b>Specificity:</b>  | IgE HEAVY CHAIN                     |
| <b>Format:</b>       | FITC                                |
| <b>Product Type:</b> | Monoclonal Antibody                 |
| <b>Clone:</b>        | LO-ME-3                             |
| <b>Isotype:</b>      | IgG1                                |
| <b>Quantity:</b>     | 0.5 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             | ■   |    |                | 5ug/ml             |
| Immunohistology - Frozen   |     |    | ■              |                    |
| Immunohistology - Paraffin |     |    | ■              |                    |

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

|                                       |                                                                                  |                            |                          |
|---------------------------------------|----------------------------------------------------------------------------------|----------------------------|--------------------------|
| <b>Target Species</b>                 | Mouse                                                                            |                            |                          |
| <b>Species Cross Reactivity</b>       | Does not react with:Rat                                                          |                            |                          |
| <b>Product Form</b>                   | Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid   |                            |                          |
| <b>Max Ex/Em</b>                      | <b>Fluorophore</b>                                                               | <b>Excitation Max (nm)</b> | <b>Emission Max (nm)</b> |
|                                       | FITC                                                                             | 490                        | 525                      |
| <b>Preparation</b>                    | Purified IgG prepared by affinity chromatography from tissue culture supernatant |                            |                          |
| <b>Buffer Solution</b>                | Phosphate buffered saline                                                        |                            |                          |
| <b>Preservative Stabilisers</b>       | 0.1% Sodium Azide<br>50% Glycerol                                                |                            |                          |
| <b>Approx. Protein Concentrations</b> | IgG concentration 1.0 mg/ml                                                      |                            |                          |
| <b>Immunogen</b>                      | Purified IgE from BALB/c mice.                                                   |                            |                          |

**External Database  
Links**

**UniProt:**

[P06336](#)   [Related reagents](#)

**Entrez Gene:**

[380792](#)   Gm900   [Related reagents](#)

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**Fusion Partners**   Spleen cells from immunised LOU/c rats were fused with cells of the rat IR983F myeloma cell line.

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**Specificity**   **Rat anti Mouse IgE Heavy Chain antibody, clone LO-ME-3** recognizes the murine epsilon immunoglobulin heavy chain, and does not cross react with other murine immunoglobulin classes or subclasses. The avidity of Rat anti Mouse IgE Heavy Chain antibody, clone LO-ME-3 is =  $3 \times 10^9 \text{M}^{-1}$

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**Flow Cytometry**   Use 50ul of the suggested working dilution to label  $10^6$  cells in 100ul.

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- References**
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**Storage**

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Shelf Life**

18 months from date of despatch.

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**Health And Safety Information**

Material Safety Datasheet documentation #10328 available at:  
10328: <https://www.bio-rad-antibodies.com/uploads/MSDS/10328.pdf>

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Negative Controls

[RAT IgG1 NEGATIVE CONTROL:FITC \(MCA1211F\)](#)

### Recommended Useful Reagents

[MOUSE SEROBLOCK FcR \(BUF041A\)](#)

[MOUSE SEROBLOCK FcR \(BUF041B\)](#)

'M314168:180412'

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