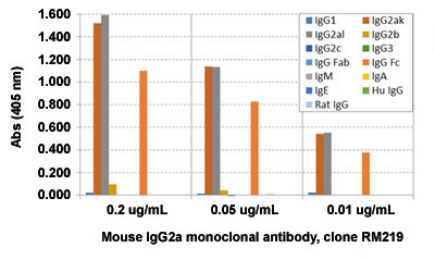
RecomAb™

# Mouse IgG2a monoclonal antibody, clone RM219

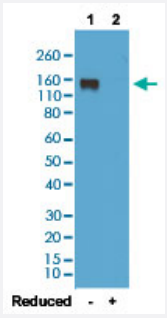
Catalog # MAB12768 Size 100 ug

## Applications




### Enzyme-linked Immunoabsorbent Assay

ELISA analysis of Mouse IgG2a monoclonal antibody, clone RM219 (Cat # MAB12768) at the following concentrations: 0.2 ug/mL, 0.05 ug/mL, and 0.01 ug/mL. The plate was coated with 50 ng/well of different immunoglobulins and the result shows this antibody reacts to the Fc region of mouse IgG2a; no cross reactivity with IgG1, IgG2b, IgG2c, IgG3, IgM, IgA, IgE, human IgG, or rat IgG. An alkaline phosphatase conjugated anti-rabbit IgG as the secondary antibody.




### Western Blot

Western blot analysis of Lane 1: nonreduced (-) and Lane 2: reduced (+) mouse IgG2a with Mouse IgG2a monoclonal antibody, clone RM219 (Cat # MAB12768) under 0.5 ug/mL working concentration. This antibody reacts to nonreduced IgG2a (~150 kDa).

## Specification

| | |
|---|---|
| **Product Description** | Rabbit recombinant monoclonal antibody raised against mouse IgG2a. |
| **Antibody Species** | Rabbit |
| **Immunogen** | Original antibody is raised against mouse IgG2a. |
| **Sequence** | N/A |
| **Reactivity** | Mouse |
| **Specificity** | This antibody reacts to the Fc region of mouse IgG2a. No cross reactivity with mouse IgG1, IgG2b, IgG2c, IgG3, IgM, IgA, IgE, human IgG, or rat IgG. |

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| | |
|---|---|
| **Form** | Liquid |
| **Purification** | Protein A affinity purification |
| **Isotype** | IgG |
| **Recommend Usage** | ELISA (0.005 - 0.2 ug/mL)<br>Flow Cytometry<br>Immunocytochemistry (0.5 - 2 ug/mL)<br>Immunohistochemistry (0.5 - 2 ug/mL)<br>Immunoprecipitation<br>Western Blot (0.5 - 2 ug/mL)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS (50% glycerol, 1% BSA, 0.09% sodium azide) |
| **Storage Instruction** | Store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Immunohistochemistry
- Immunocytochemistry
- Flow Cytometry
- Enzyme-linked Immunoabsorbent Assay

  ELISA analysis of Mouse IgG2a monoclonal antibody, clone RM219 (Cat # MAB12768) at the following concentrations: 0.2 ug/mL, 0.05 ug/mL, and 0.01 ug/mL. The plate was coated with 50 ng/well of different immunoglobulins and the result shows this antibody reacts to the Fc region of mouse IgG2a; no cross reactivity with IgG1, IgG2b, IgG2c, IgG3, IgM, IgA, IgE, human IgG, or rat IgG. An alkaline phosphatase conjugated anti-rabbit IgG as the secondary antibody.

- Immunoprecipitation
- Western Blot

  Western blot analysis of Lane 1: nonreduced (-) and Lane 2: reduced (+) mouse IgG2a with Mouse IgG2a monoclonal antibody, clone RM219 (Cat # MAB12768) under 0.5 ug/mL working concentration. This antibody reacts to nonreduced IgG2a (~150 kDa).

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## Gene Info — Igh-1a

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|---|---|
| **Entrez GeneID** | 380793 |
| **Protein Accession#** | P01863 |
| **Gene Name** | Igh-1a |
| **Gene Alias** | 1810060O09Rik, IGHG2A, Igh-1, MGC102662, MGC118125, MGC18977 |
| **Gene Description** | immunoglobulin heavy chain 1a (serum IgG2a) |
| **Gene Ontology** | Hyperlink |
| **Other Designations** | - |

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