

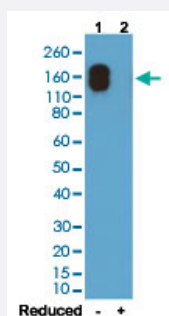
RecomAb™

# Mouse IgG2a (kappa) monoclonal antibody, clone RM107 (Biotin)

Catalog # MAB14936

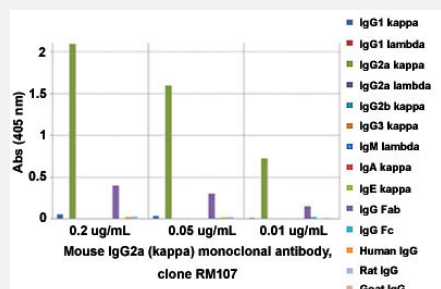
Size 50 ug

## Applications



### Western Blot

Western blot analysis of Lane 1: nonreduced (-) and Lane 2: reduced (+) mouse IgG2a (kappa) (20 ng/lane) with Mouse IgG2a (kappa) monoclonal antibody, clone RM107 (Biotin) (Cat # MAB14936) at 0.2 ug/mL working concentration. This antibody only reacts to nonreduced mouse IgG2a (kappa).



### Enzyme-linked Immunoabsorbent Assay

ELISA analysis of Mouse IgG2a (kappa) monoclonal antibody, clone RM107 (Cat # MAB12767) 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 Fab region of mouse IgG2a (kappa); no cross reactivity with IgG2a (lambda), IgG1, IgG3, IgM, IgA, IgE, human IgG, rat IgG, or goat IgG. An alkaline phosphatase conjugated anti-rabbit IgG as the secondary antibody.

### Enzyme-linked Immunoabsorbent Assay

A titer ELISA of mouse IgG2ak. The plate was coated with different amounts of mouse IgG2ak. A serial dilution of Mouse IgG2a (kappa) monoclonal antibody, clone RM107 (Biotin) (Cat# MAB14936) was used as the primary antibody. An alkaline phosphatase conjugated anti-rabbit IgG as the secondary antibody.

## Specification

### Product Description

Rabbit recombinant monoclonal antibody raised against mouse IgG2a (kappa).

|                     |                                                                                                                                                                                                                                                       |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Antibody Species    | Rabbit                                                                                                                                                                                                                                                |
| Immunogen           | Original antibody is raised against mouse IgG.                                                                                                                                                                                                        |
| Sequence            | N/A                                                                                                                                                                                                                                                   |
| Reactivity          | Mouse                                                                                                                                                                                                                                                 |
| Form                | Liquid                                                                                                                                                                                                                                                |
| Conjugation         | Biotin                                                                                                                                                                                                                                                |
| Purification        | Protein A 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 Blotting (0.1-0.5 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 should be handled by trained staff only.                                                                                                                                |

## Applications

- Western Blot

Western blot analysis of Lane 1: nonreduced (-) and Lane 2: reduced (+) mouse IgG2a (kappa) (20 ng/lane) with Mouse IgG2a (kappa) monoclonal antibody, clone RM107 (Biotin) (Cat # MAB14936) at 0.2 ug/mL working concentration. This antibody only reacts to nonreduced mouse IgG2a (kappa).

- Immunohistochemistry

- Immunocytochemistry

- Immunoprecipitation

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of Mouse IgG2a (kappa) monoclonal antibody, clone RM107 (Cat # MAB12767) 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 Fab region of mouse IgG2a (kappa); no cross reactivity with IgG2a (lambda), IgG1, IgG3, IgM, IgA, IgE, human IgG, rat IgG, or goat IgG. An alkaline phosphatase conjugated anti-rabbit IgG as the secondary antibody.

- Enzyme-linked Immunoabsorbent Assay

A titer ELISA of mouse IgG2ak. The plate was coated with different amounts of mouse IgG2ak. A serial dilution of Mouse IgG2a (kappa) monoclonal antibody, clone RM107 (Biotin) (Cat# MAB14936) was used as the primary antibody. An alkaline phosphatase conjugated anti- rabbit IgG as the secondary antibody.

- Flow Cytometry

## Gene Info — Igh-1a

|               |                        |
|---------------|------------------------|
| Entrez GeneID | <a href="#">380793</a> |
|---------------|------------------------|

|                    |                        |
|--------------------|------------------------|
| Protein Accession# | <a href="#">P01863</a> |
|--------------------|------------------------|

|           |        |
|-----------|--------|
| Gene Name | Igh-1a |
|-----------|--------|

|            |                                                              |
|------------|--------------------------------------------------------------|
| Gene Alias | 1810060O09Rik, IGHG2A, Igh-1, MGC102662, MGC118125, MGC18977 |
|------------|--------------------------------------------------------------|

|                  |                                             |
|------------------|---------------------------------------------|
| Gene Description | immunoglobulin heavy chain 1a (serum IgG2a) |
|------------------|---------------------------------------------|

|               |                           |
|---------------|---------------------------|
| Gene Ontology | <a href="#">Hyperlink</a> |
|---------------|---------------------------|

|                    |   |
|--------------------|---|
| Other Designations | - |
|--------------------|---|