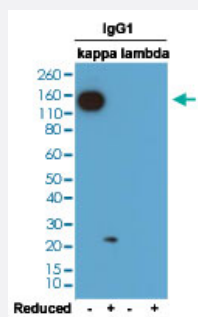


RecomAb™

# Mouse immunoglobulin kappa light chain monoclonal antibody, clone RM103

Catalog # MAB12764      Size 100 ug

## Applications



### Western Blot

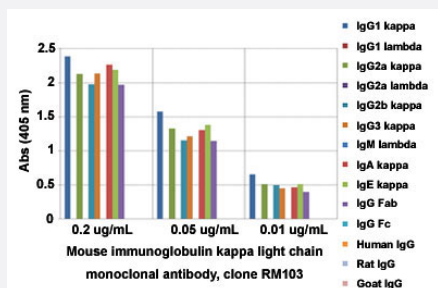
Western blot analysis of nonreduced (-) and reduced (+) mouse IgG1 (kappa) and IgG1 (lambda) (20 ng/lane) with Mouse immunoglobulin kappa light chain monoclonal antibody, clone RM103 (Cat # MAB12764) under 0.2 ug/mL working concentration. This antibody reacts to nonreduced IgG1 (kappa) (~150 kDa), and slightly reacts to reduced kappa light chain (~25 kDa).

### Enzyme-linked Immunoabsorbent Assay

ELISA analysis of Mouse immunoglobulin kappa light chain monoclonal antibody, clone RM103 (Cat # MAB12764) 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 kappa light chain of mouse immunoglobulins. No cross reactivity with the lambda light chain, 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 IgG1κ. The plate was coated with different amounts of mouse IgG1κ. A serial dilution of Mouse immunoglobulin kappa light chain monoclonal antibody, clone RM103 (Cat# MAB12764) was used as the primary antibody. An alkaline phosphatase conjugated anti-rabbit IgG as the secondary antibody.



## Specification

<b>Product Description</b>	Rabbit recombinant monoclonal antibody raised against mouse immunoglobulin kappa light chain.
<b>Antibody Species</b>	Rabbit
<b>Immunogen</b>	Original antibody is raised against mouse IgG.
<b>Sequence</b>	N/A
<b>Reactivity</b>	Mouse
<b>Specificity</b>	This antibody reacts to the kappa light chain of mouse immunoglobulins. No cross reactivity with the lambda light chain, human IgG, rat IgG, or goat IgG.
<b>Form</b>	Liquid
<b>Purification</b>	Protein A affinity purification
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	ELISA (0.005 - 0.2 ug/mL) Flow Cytometry Immunocytochemistry (0.5 - 2 ug/mL) Immunohistochemistry (0.5 - 2 ug/mL) Immunoprecipitation Western Blot (0.1 - 0.5 ug/mL) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (50% glycerol, 1% BSA, 0.09% sodium azide)
<b>Storage Instruction</b>	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	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 nonreduced (-) and reduced (+) mouse IgG1 (kappa) and IgG1 (lambda) (20 ng/lane) with Mouse immunoglobulin kappa light chain monoclonal antibody, clone RM103 (Cat # MAB12764) under 0.2 ug/mL working concentration. This antibody reacts to nonreduced IgG1 (kappa) (~150 kDa), and slightly reacts to reduced kappa light chain (~25 kDa).

- Immunohistochemistry

- Immunocytochemistry

- Immunoprecipitation

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of Mouse immunoglobulin kappa light chain monoclonal antibody, clone RM103 (Cat # MAB12764) 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 kappa light chain of mouse immunoglobulins. No cross reactivity with the lambda light chain, 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 IgG1κ. The plate was coated with different amounts of mouse IgG1κ. A serial dilution of Mouse immunoglobulin kappa light chain monoclonal antibody, clone RM103 (Cat# MAB12764) was used as the primary antibody. An alkaline phosphatase conjugated anti-rabbit IgG as the secondary antibody.

- Flow Cytometry

## Gene Info — Igk-C

Entrez GeneID [16071](#)

Protein Accession# [P01837](#)

Gene Name Igk-C

Gene Alias IGKC, MGC118128

Gene Description immunoglobulin kappa chain, constant region

Gene Ontology [Hyperlink](#)

Gene Summary O

Other Designations -