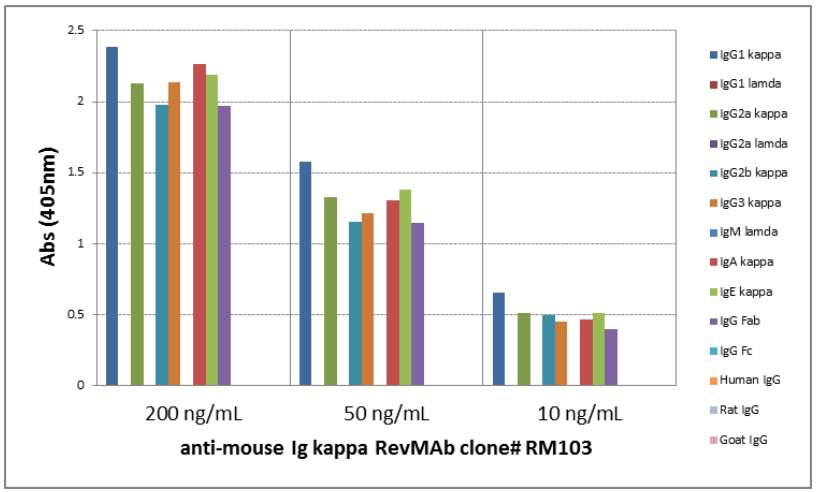
RevMAb Biosciences
www.revmab.com

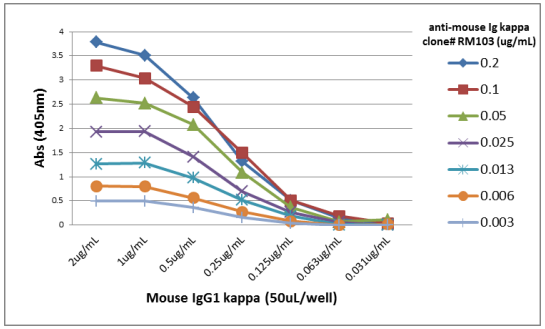
RevMAb Biosciences USA, Inc.
830 Dubuque Ave, South San Francisco, CA 94080, USA

Certificate of Analysis

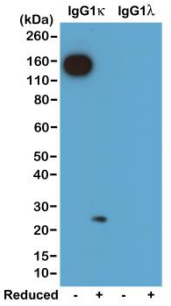
Product:	Rabbit Monoclonal Antibody Anti-Mouse Immunoglobulin Kappa Light Chain Rabbit Monoclonal Antibody, Clone RM103
Catalog No.:	31-1007-00
Lot No.:	
Clone	RM103
Specificity	This antibody reacts to the kappa light chain of mouse immunoglobulins. No cross reactivity with the lamda light chain, human IgG, rat IgG, or goat IgG. The Fc region of RM103 has been engineered to eliminate Fc receptor binding.
Application:	ELISA, Flow Cytometry, Immunoprecipitation, Western Blot (nonreduced).
Immunogen:	Mouse IgG
Purity:	Protein A affinity purified from an animal origin–free and protein-free culture supernatant
Size:	100 µg
Concentration:	1.0 mg/mL
Buffer:	50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
Usage:	ELISA: 0.005ug/mL – 0.2ug/mL; WB: 0.1ug/mL – 0.5ug/mL
Storage and Stability:	Stable for 1 Year at -20.0°C from date of receipt.
Country of Origin:	U.S.A.
Intended Use:	**For Research Use Only Not for Diagnostic or Therapeutic Use**



ELISA of mouse immunoglobulins shows RM103 reacts to the kappa light chain of mouse immunoglobulins. No cross reactivity with the lamda light chain, human IgG (κ+λ), rat IgG (κ+λ), or goat IgG (κ+λ). The plate was coated with 50 ng/well of different immunoglobulins. 200 ng/mL, 50 ng/mL, or 10 ng/mL of RM103 was used as the primary antibody. An alkaline phosphatase conjugated anti-rabbit IgG as the secondary antibody.



A titer ELISA of mouse IgG1κ. The plate was coated with different amounts of mouse IgG1κ. A serial dilution of RM103 was used as the primary antibody. An alkaline phosphatase conjugated anti-rabbit IgG as the secondary antibody.



Western blot of nonreduced(-) and reduced(+) mouse IgG1κ and IgG1λ (20ng/lane), using 0.2ug/mL of RevMAb clone RM103. This antibody reacts to nonreduced IgG1κ (~150 kDa), and slightly reacts to reduced κ light chain (~25 kDa).