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10-9502: Recombinant Rabbit Monoclonal Antibody to Mouse Ig Kappa Light Chain (Clone: RM103)(Discontinued)

Clonality :	Monoclonal
Clone Name :	RM103
Application :	WB,IP,ICC,IHC,FACS,ELISA
Reactivity :	Mouse
Gene :	Igkc
Gene ID :	16071
Uniprot ID :	P01837
Format :	Purified
Isotype :	Rabbit IgG
Immunogen Information :	Mouse IgG

Product Info

Amount :	100 µg
Purification :	Protein A affinity purified from an animal origin-free culture supernatant
Content :	1 mg/ml in 50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
Storage condition :	Store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

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 Clone RM103 has been engineered to eliminate Fc receptor binding. ELISA: 0.005 ÃÂµg/ml-0.2 ÃÂµg/ml; Immunocytochemistry (ICC): 0.5 ÃÂµg/ml-2 ÃÂµg/ml; Immunohistochemistry (IHC): 0.5 ÃÂµg/ml-2 ÃÂµg/ml; Western Blot (WB): 0.1 ÃÂµg/ml-0.5 ÃÂµg/ml.

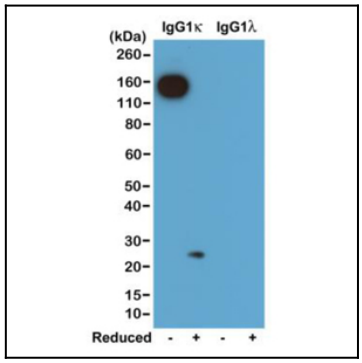

Figure 1: Western blot of nonreduced(-) and reduced(+)mouse IgG1 Kappa and IgG1 Lambda (20ng/lane), using 0.2 µg/ml of Clone: RM103. This antibody reacts to nonreduced IgG1 Kappa (~150 kDa), and slightly reacts to reduced Kappa light chain (~25 kDa).

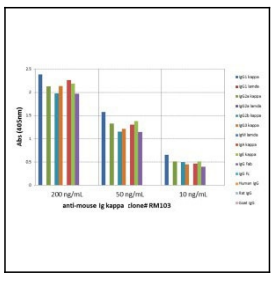

Figure 2: ELISA of mouse immunoglobulins shows Clone: RM103 reacts to the Kappa light chain of mouse immuno-globulins. No cross reactivity with the lamda light chain, human IgG (Kappa + Lambda), rat IgG (Kappa + Lambda), or goat IgG (Kappa + Lambda). The plate was coated with 50 ng/well of different immunoglobulins. 200 ng/mL, 50 ng/mL, or 10 ng/mL of Clone: RM103 was used as the primary antibody. An alkaline phosphatase conjugated anti-rabbit IgG as the secondary antibody.

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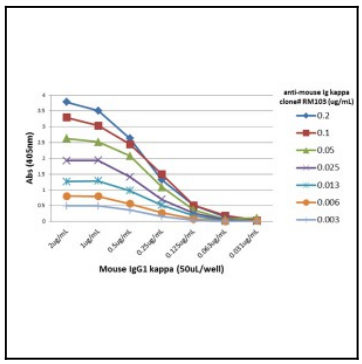

Figure 3: A titer ELISA of mouse IgG1 Kappa .The plate was coated with different amounts of mouse IgG1 Kappa . A serial dilution of Clone: RM103 was used as the primary antibody.An alkaline phosphatase conjugated anti-rabbit IgG as the secondary antibody.