

10-9503-B: Biotinylated Recombinant Rabbit Monoclonal Antibody to Mouse IgG (Clone: RM104)(Discontinued)

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|--------------------------------|--------------------------|
| Clonality : | Monoclonal |
| Clone Name : | RM104 |
| Application : | WB,IP,ICC,IHC,FACS,ELISA |
| Reactivity : | Mouse |
| Conjugate : | Biotin |
| Gene : | Ighg1 |
| Gene ID : | 16017 |
| Uniprot ID : | P01868 |
| Format : | Purified |
| Isotype : | Rabbit IgG |
| Immunogen Information : | Mouse IgG |

Product Info

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| Amount : | 50 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

Clone RM104 reacts to the Fc region of all mouse IgG subclasses. No cross reactivity with mouse IgM, IgA, IgE, human IgG, and rat IgG. It may cross react to goat IgG. The Fc region of Clone RM104 has been engineered to eliminate Fc receptor binding. ELISA: 0.005 – 0.2 µg/ml; Immunocytochemistry (ICC): 0.5 – 2 µg/ml; Immunohistochemistry (IHC): 0.5 – 2 µg/ml; Western Blot (WB): 0.1 – 0.5 µg/ml.

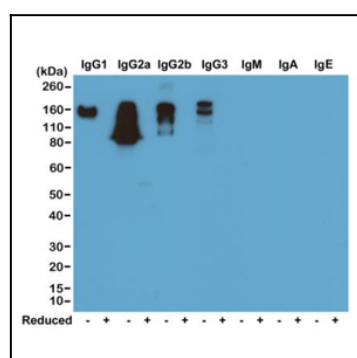


Figure 1: Western blot of nonreduced(-) and reduced(+)mouse immunoglobulins (20 ng/lane), using 0.2 µg/ml of Clone: RM104. This antibody reacts to nonreduced mouse IgG1, IgG2a, IgG2b, and IgG3. It showed no cross reactivity with IgM, IgA, or IgE.

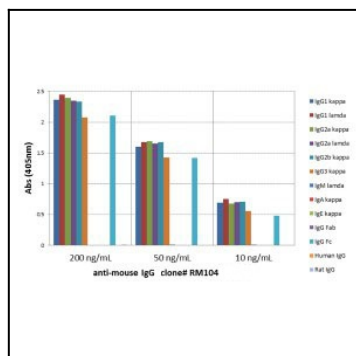


Figure 2: ELISA of mouse immunoglobulins shows Clone: RM104 reacts to the Fc region of mouse IgG1, IgG2a, IgG2b, and IgG3; no cross reactivity with IgM, IgA, IgE, human or rat IgG. The plate was coated with 50 ng/well of different immunoglobulins. 200 ng/mL, 50 ng/mL, or 10 ng/mL of Clone: RM104 was used as the primary antibody. An alkaline phosphatase conjugated anti-rabbit IgG as the secondary antibody.

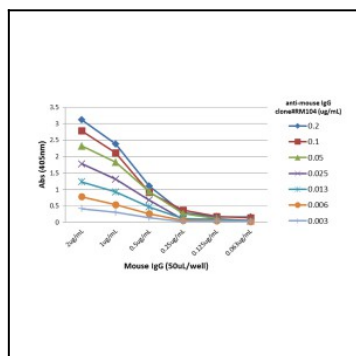


Figure 3: A titer ELISA of mouse IgG. The plate was coated with different amounts of mouse IgG. A serial dilution of Clone: RM104 was used as the primary antibody. An alkaline phosphatase conjugated anti-rabbit IgG as the secondary antibody.