

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

Clone Name :RM104Application :WB,IP,ICC,IHC,FACS,ELISAReactivity :MouseGene :Ighg1Gene ID :16017Uniprot ID :P01868ÂFormat :Purified		
Reactivity :MouseGene :Ighg1Gene ID :16017Uniprot ID :P01868Â		
Gene : Ighg1 Gene ID : 16017 Uniprot ID : P01868Â		
Gene ID : 16017 Uniprot ID : P01868Â		
Uniprot ID : P01868Â		
D urified		
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

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 $\tilde{A}_{\Box}^{A}\hat{\mu}g/mI$ -0.2 $\tilde{A}_{\Box}^{A}\hat{\mu}g/mI$; Immunocytochemistry (ICC): 0.5 $\tilde{A}_{\Box}^{A}\hat{\mu}g/mI$ -2 $\tilde{A}_{\Box}^{A}\hat{\mu}g/mI$; Immunohistochemistry (IHC): 0.5 $\tilde{A}_{\Box}^{A}\hat{\mu}g/mI$ -2 $\tilde{A}_{\Box}^{A}\hat{\mu}g/mI$; Western Blot (WB): 0.1 $\tilde{A}_{\Box}^{A}\hat{\mu}g/mI$ -0.5 $\tilde{A}_{\Box}^{A}\hat{\mu}g/mI$.



Figure 1: Western blot of nonreduced(-) and reduced(+)mouse immunoglobulins (20 ng/lane), using 0.2 μ g/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 antirabbit IgG as the secondary antibody.



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