

## 10-9521-B: Biotinylated Recombinant Rabbit Monoclonal Antibody to Human IgM (Clone: RM121)(Discontinued)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	RM121
<b>Application :</b>	ICC,IHC,FACS,ELISA
<b>Reactivity :</b>	Human
<b>Conjugate :</b>	Biotin
<b>Gene :</b>	IGHM
<b>Gene ID :</b>	3507
<b>Uniprot ID :</b>	P01871
<b>Format :</b>	Purified
<b>Alternative Name :</b>	IGHM
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	Human IgM

### Product Info

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

### Application Note

Clone RM121 reacts to the heavy chain of human IgM. No cross reactivity with human IgG, IgA, IgD, or IgE. ELISA: 50ng/well  $\hat{=}$  200ng/well (for Capture); 0.05  $\hat{=}$  0.2 µg/ml (for Detection); Immunocytochemistry (ICC): 0.5  $\hat{=}$  2 µg/ml-2  $\hat{=}$  2 µg/ml; Immunohistochemistry (IHC): 0.5  $\hat{=}$  2 µg/ml-2  $\hat{=}$  2 µg/ml.

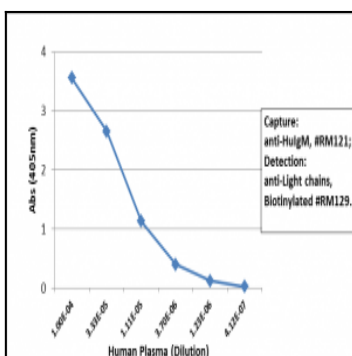


Figure 1: Sandwich ELISA using Clone: RM121 as the capture antibody (100ng/well), and Biotinylated anti-human light chains (Kappa+ Lambda) antibody Clone: RM129 as the detection antibody, followed by an alkaline phosphatase conjugated streptavidin.

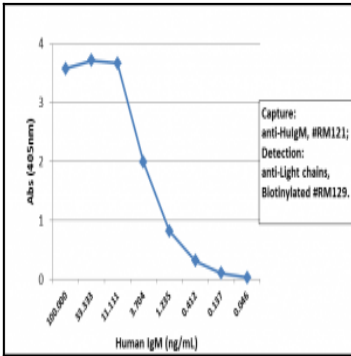


Figure 2: Sandwich ELISA using Clone: RM121 as the capture antibody (100 ng/well), and Biotinylated anti-human light chains (Kappa+ Lambda) antibody Clone: RM129 as the detection antibody, followed by an alkaline phosphatase conjugated streptavidin.

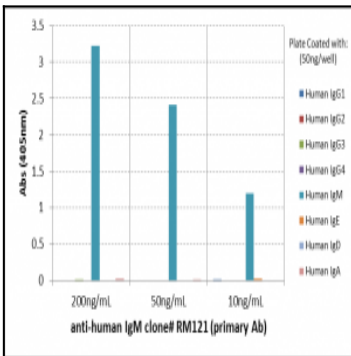


Figure 3: ELISA of human immunoglobulins shows Clone: RM121 reacts only to human IgM. No cross reactivity with Human IgG, IgE, IgD, or IgA. The plate was coated with 50 ng/well of different immunoglobulins. 200 ng/mL, 50 ng/mL of Clone: RM121 was used as the primary antibody. An alkaline phosphatase conjugated anti-rabbit IgG as the secondary antibody.

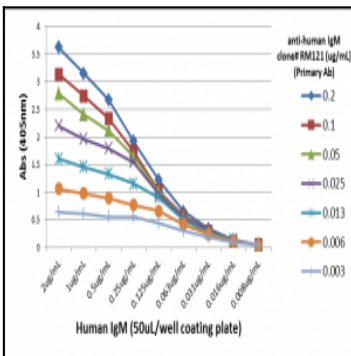


Figure 4: A titer ELISA using Clone: RM121. The plate was coated with different amounts of human IgM. A serial dilution of Clone: RM121 was used as the primary antibody. An alkaline phosphatase conjugated anti-rabbit IgG as the secondary antibody.