

## 10-9523-B: Biotinylated Recombinant Rabbit Monoclonal Antibody to Human IgA1 (Clone: RM124)(Discontinued)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	RM124
<b>Application :</b>	ICC,IHC,FACS,ELISA
<b>Reactivity :</b>	Human
<b>Conjugate :</b>	Biotin
<b>Gene :</b>	IGHA1
<b>Gene ID :</b>	3493
<b>Uniprot ID :</b>	P01876
<b>Format :</b>	Purified
<b>Alternative Name :</b>	IGHA1
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	Human IgA

### 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 RM124 reacts to human IgA1, and very slightly cross reacts with IgA2. No cross reactivity with human IgG, IgM, IgD, or IgE. ELISA: 50ng/well  $\hat{=}$  200ng/well (for Capture); 0.05  $\hat{=}$  0.2  $\hat{=}$  µg/ml (for Detection); Immunocytochemistry (ICC): 0.5  $\hat{=}$  2  $\hat{=}$  µg/ml; Immunohistochemistry (IHC): 0.1  $\hat{=}$  1  $\hat{=}$  µg/ml.

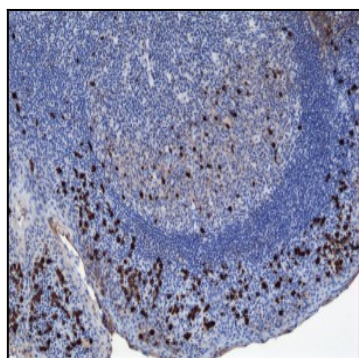


Figure 1: Immunohistochemistry of Human Tonsil Tissue using Anti-Human IgA1 antibody Clone: RM124.

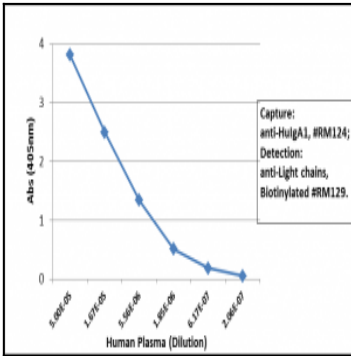


Figure 2: Sandwich ELISA using Clone: RM124 as the capture antibody (100 ng/well), and Biotinylated anti-human light chains (Kappa+ Lambda) antibody Clone: RM129 as the detection antibody, followed by an alkaline phosphatase conjugated streptavidin.

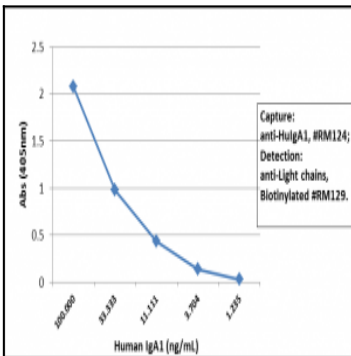


Figure 3: Sandwich ELISA using Clone: RM124 as the capture antibody (100 ng/well), and Biotinylated anti-human light chains (Kappa+ Lambda) antibody Clone: RM129 as the detection antibody, followed by an alkaline phosphatase conjugated streptavidin.

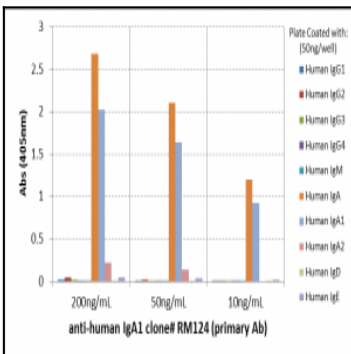


Figure 4: ELISA of human immunoglobulins shows Clone: RM124 reacts only to Human IgA. Very slightly cross reacts with IgA2. No cross reactivity with Human IgG, IgM, IgD, or IgE. The plate was coated with 50 ng/well of different immunoglobulins. 200 ng/mL, 50 ng/mL, or 10 ng/mL of Clone: RM124 was used as the primary antibody. An alkaline phosphatase conjugated anti-rabbit IgG as the secondary antibody.

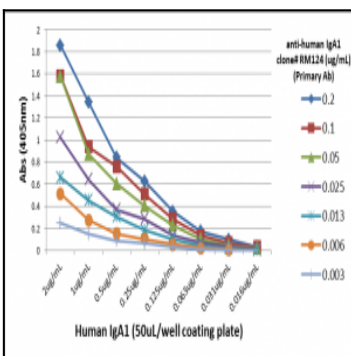


Figure 5: A titer ELISA using Clone: RM124. The plate was coated with different amounts of human IgA1. A serial dilution of Clone: RM124 was used as the primary antibody. An alkaline phosphatase conjugated anti-rabbit IgG as the secondary antibody.