

## 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  $\hat{=}$  µg/ml  $\hat{=}$  0.2  $\hat{=}$  µg/ml (for Detection); Immunocytochemistry (ICC): 0.5  $\hat{=}$  µg/ml-2  $\hat{=}$  µg/ml; Immunohistochemistry (IHC): 0.1  $\hat{=}$  µg/ml-1  $\hat{=}$  µg/ml.

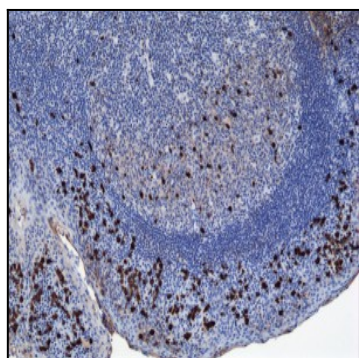


Figure 1: Immunohistochemistry of Human Tonsil Tissue using Anti-Human IgA1 antibody Clone: RM124.

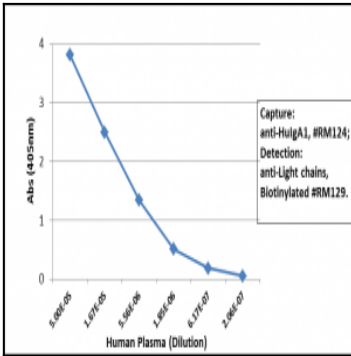


Figure 2: Sandwich ELISA using Clone: RM124 as the capture antibody (100 ng/well), and Biotinylated anti-human light chains (Kappa+ Lambda) antibody Clone: RM129 as the detection antibody, followed by an alkaline phosphatase conjugated streptavidin.

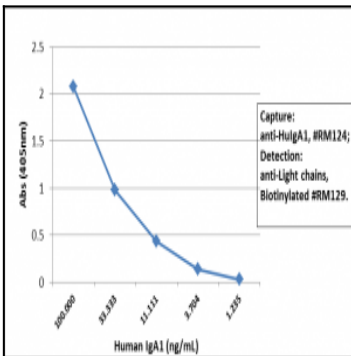


Figure 3: Sandwich ELISA using Clone: RM124 as the capture antibody (100 ng/well), and Biotinylated anti-human light chains (Kappa+ Lambda) antibody Clone: RM129 as the detection antibody, followed by an alkaline phosphatase conjugated streptavidin.

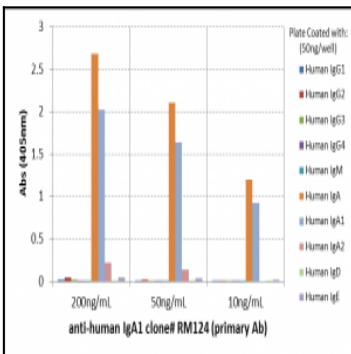


Figure 4: ELISA of human immunoglobulins shows Clone: RM124 reacts only to Human IgA. Very slightly cross reacts with IgA2. No cross reactivity with Human IgG, IgM, IgD, or IgE. The plate was coated with 50 ng/well of different immunoglobulins. 200 ng/mL, 50 ng/mL, or 10 ng/mL of Clone: RM124 was used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

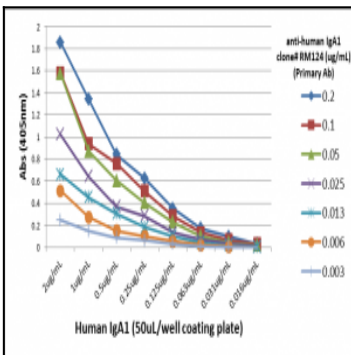


Figure 5: A titer ELISA using Clone: RM124. The plate was coated with different amounts of human IgA1. A serial dilution of Clone: RM124 was used as the primary antibody. An alkaline phosphatase conjugated anti-rabbit IgG as the secondary antibody.