

## 10-9517-B: Biotinylated Recombinant Rabbit Monoclonal Antibody to Human gamma heavy chain (Clone: RM116)(Discontinued)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	RM116
<b>Application :</b>	ELISA,IHC,FACS
<b>Reactivity :</b>	Human
<b>Conjugate :</b>	Biotin
<b>Gene :</b>	IGHG1
<b>Gene ID :</b>	3500/3501/3502/3503
<b>Uniprot ID :</b>	P01857/P01859/P01860/P01861
<b>Format :</b>	Purified
<b>Alternative Name :</b>	IGHG1
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	Human IgG

### 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 RM116 reacts to the Fc region of all gamma heavy chains of human immunoglobulins, including gamma1, gamma2, gamma3, and gamma4. No cross reactivity with human IgM, IgA, IgD, IgE, mouse IgG, rat IgG, or goat IgG. ELISA: 50ng/well - 200ng/well (for Capture); 0.05 µg/ml - 0.2 µg/ml (for Detection); Immunocytochemistry (ICC): 0.5 µg/ml-2 µg/ml; Immunohistochemistry (IHC): 0.5 µg/ml-2 µg/ml.

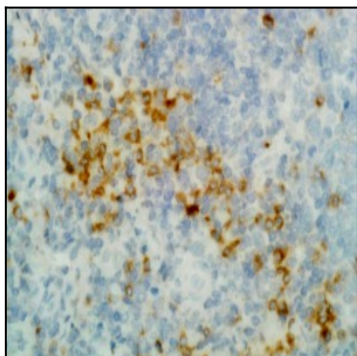


Figure 1: Immunohistochemistry of Human Tonsil using Anti-Gamma Heavy Chain antibody Clone: RM116.

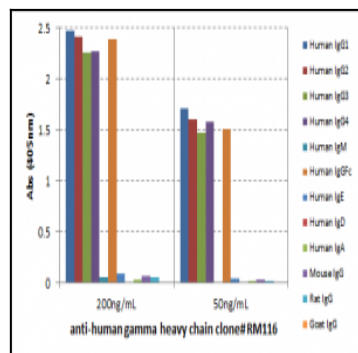


Figure 2: ELISA of human immunoglobulins shows Clone: RM116 reacted to the gamma 1, gamma 2, gamma 3, gamma 4 heavy chain of human IgGs, and the Fc of human IgG. No cross reactivity with other human heavy chains, mouse IgG, rat IgG, or goat IgG. The plate was coated with 50 ng/well of different immunoglobulins. 200 ng/mL or 50 ng/mL of Clone: RM116 was used as the primary antibody. An alkaline phosphatase conjugated anti-rabbit IgG as the secondary antibody.

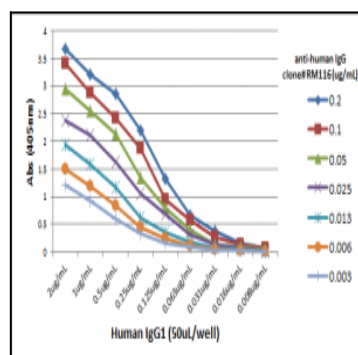


Figure 3: A titer ELISA using Clone: RM116. The plate was coated with different amounts of human IgG1. A serial dilution of Clone: RM116 was used as the primary antibody. An alkaline phosphatase conjugated anti-rabbit IgG as the secondary antibody.

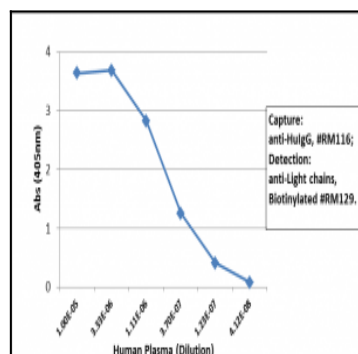


Figure 4: Sandwich ELISA using Clone: RM116 as the capture antibody (100 ng/well), and Biotinylated anti-human light chains(Kappa+ Lambda) antibody Clone: RM129 as the detection antibody (1 µg/ml), followed by an alkaline phosphatase conjugated streptavidin.

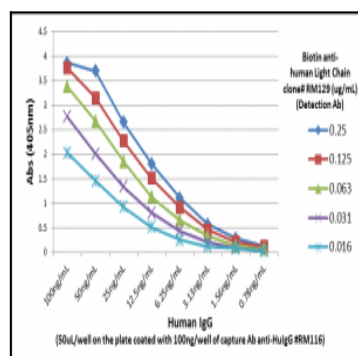


Figure 5: Sandwich ELISA using Clone: RM116 as the capture antibody (100 ng/well), and Biotinylated anti-human light chains(Kappa+ Lambda) antibody Clone: RM129 as the detection antibody (1 µg/ml), followed by an alkaline phosphatase conjugated streptavidin.