

## 10-9527: Recombinant Rabbit Monoclonal Antibody to Human IgG1 (Clone: RM117)(Discontinued)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	RM117
<b>Application :</b>	ICC,IHC,FACS,ELISA
<b>Reactivity :</b>	Human
<b>Gene :</b>	IGHG1
<b>Gene ID :</b>	3500
<b>Uniprot ID :</b>	P01857
<b>Format :</b>	Purified
<b>Alternative Name :</b>	IGHG1
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	Peptide corresponding to the hinge region of Human IgG1

### Product Info

<b>Amount :</b>	100 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 RM117 reacts to the heavy chain of human IgG1. No cross reactivity with human IgG2, IgG3, IgG4, IgM, IgA, IgD, IgE, mouse IgG, rat IgG, or goat IgG. ELISA: 50ng/well  $\hat{A}$  200ng/well (for Capture); 0.05  $\hat{A}$  0.2  $\hat{A}$  µg/ml (for Detection); Immunocytochemistry (ICC): 0.5  $\hat{A}$  2  $\hat{A}$  µg/ml; Immunohistochemistry (IHC): 0.5  $\hat{A}$  2  $\hat{A}$  µg/ml.

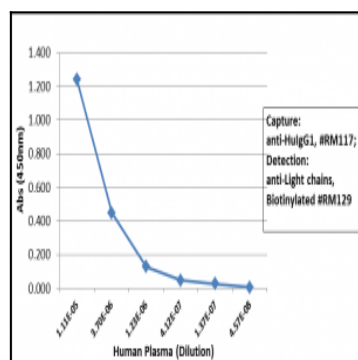


Figure 1: Sandwich ELISA using Clone: RM117 as the capture antibody, and Biotinylated anti-human light chains (Kappa+ Lambda) antibody Clone: RM129 as the detection antibody, followed by an AP conjugated streptavidin.

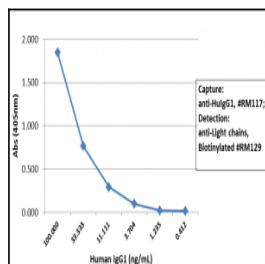


Figure 2: Sandwich ELISA using Clone: RM117 as the capture antibody, and Biotinylated anti-human light chains (Kappa+ Lambda) antibody Clone: RM129 as the detection antibody, followed by an AP conjugated streptavidin.

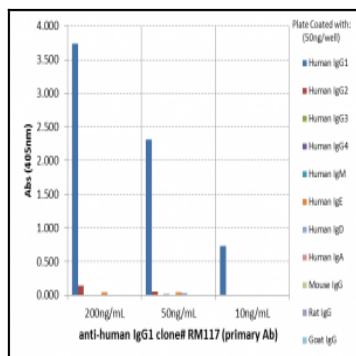


Figure 3: ELISA of human immunoglobulins shows Clone: RM117 only reacted to human IgG1. No cross reactivity with Human IgG2, IgG3, IgG4, IgE, IgD, IgA, mouse IgG, rat IgG, or goat IgG. The plate was coated with 50 ng/well of different immunoglobulins. 200 ng/mL, 50 ng/mL, or 10 ng/mL of Clone: RM117 was used as the primary antibody. An alkaline phosphatase conjugated anti-rabbit IgG as the secondary antibody.

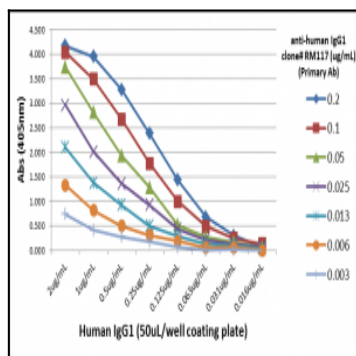


Figure 4: A titer ELISA using Clone: RM117. The plate was coated with different amounts of human IgG1. A serial dilution of Clone: RM117 was used as the primary antibody. An alkaline phosphatase conjugated anti-rabbit IgG as the secondary antibody.