

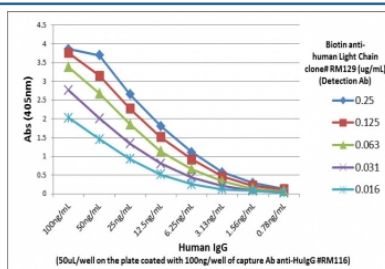
Recombinant Human IgG Antibody (Biotin Conjugate) [clone RM116] (R20177BTN)

Catalog No.	Formulation	Size
R20177BTN-50UG	1 mg/ml in PBS with 50% glycerol, 1% BSA and 0.09% sodium azide	50 ug

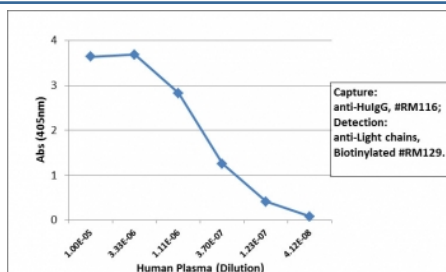
Recombinant **RABBIT MONOCLONAL**

[Bulk quote request](#)

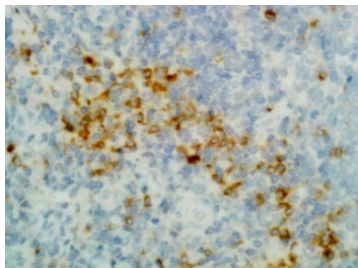
Availability	1-3 business days
Species Reactivity	Human
Format	Biotin Conjugate
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	RM116
Purity	Protein A purified from animal origin-free supernatant
UniProt	P01857, P01859, P01860, P01861
Gene ID	3500, 3501, 3502, 3503
Applications	ELISA : 50ng/well-200ng/well (Capture); 0.05-0.2ug/ml (Detection) Immunocytochemistry : 0.5-2ug/ml Immunohistochemistry : 0.5-2ug/ml (1)
Limitations	This recombinant Human IgG antibody is available for research use only.



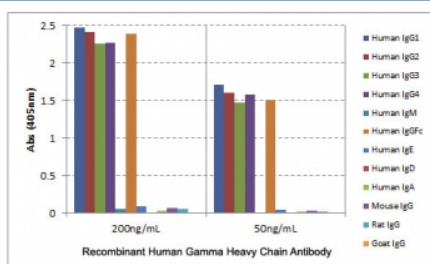
Sandwich ELISA of human IgG using the recombinant Human IgG antibody (clone RM116) as the capture (100ng/well), and biotinylated human light chains (κ+λ) antibody ([clone RM129](#)) as the detect (1ug/mL), followed by an alkaline phosphatase conjugated streptavidin.



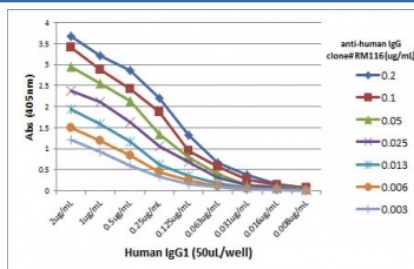
Sandwich ELISA of human plasma using the recombinant Human IgG antibody (clone RM116) as the capture (100ng/well), and biotinylated human light chains (κ+ λ) antibody (clone RM129) as the detect (1ug/mL), followed by an alkaline phosphatase conjugated streptavidin.



IHC testing of FFPE human tonsil with recombinant Human IgG antibody.



ELISA of human immunoglobulins shows the recombinant Human IgG antibody reacted to the G1, G2, G3, G4 heavy chain of human IgGs, and the Fc of human IgG. No cross reactivity with other human heavy chains, mouse/rat/goat IgG.



ELISA Titration: the plate was coated with different amounts of human IgG1. A serial dilution of the recombinant Human IgG antibody was used as the primary and an alkaline phosphatase conjugated anti-rabbit IgG as the secondary.

Description

This recombinant Human IgG antibody reacts to the Fc region of all gamma heavy chains of human immunoglobulins, including G1, G2, G3, and G4. No cross reactivity with other human heavy chains, mouse IgG, rat IgG or goat IgG.

Application Notes

The stated application concentrations are suggested starting points. Titration of the recombinant Human IgG antibody may be required due to differences in protocols and secondary/substrate sensitivity.

1. A pH6 Citrate buffer or pH9 Tris/EDTA buffer HIER step is recommended for testing of FFPE tissue sections.

Immunogen

Human IgG was used as the immunogen for this recombinant Human IgG antibody.

Storage

Store the recombinant Human IgG antibody at -20oC.

