

Recombinant Rabbit Anti-Human IgG4 Antibody- sodium azide free

Catalog No: tcna4771saf



Available Sizes

Size: 100ug



Specifications

Application:

WB, ICC, IHC, FACS, ELISA

Species Reactivity:

Human

Host Species:

Rabbit

Immunogen / Amino acids:

Peptide corresponding to the hinge region of human IgG4 was used as the immunogen for this recombinant Human IgG4 antibody.

Conjugation:

Purified

Clonality:

Recombinant Rabbit Monoclonal

Clones:

RM120

Isotype:

Rabbit IgG

Form:

Liquid

Storage Buffer:

1 mg/ml in PBS without glycerol/BSA/sodium azide

Recommended Dilution:

ELISA: 50ng/well - 200ng/well (Capture); 0.05-0.2ug/ml (Detection)

Western Blot: 0.5-2ug/ml

Immunocytochemistry: 1-10ug/ml

Immunohistochemistry: 1-10ug/ml (1)The stated application concentrations are suggested starting points. Titration of the recombinant Human IgG4 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.

Storage Instruction:

Store the recombinant Human IgG4 antibody at -20oC (with glycerol) or aliquot and store at -20oC (without glycerol).

SwissProt:

P01861

Gene ID:

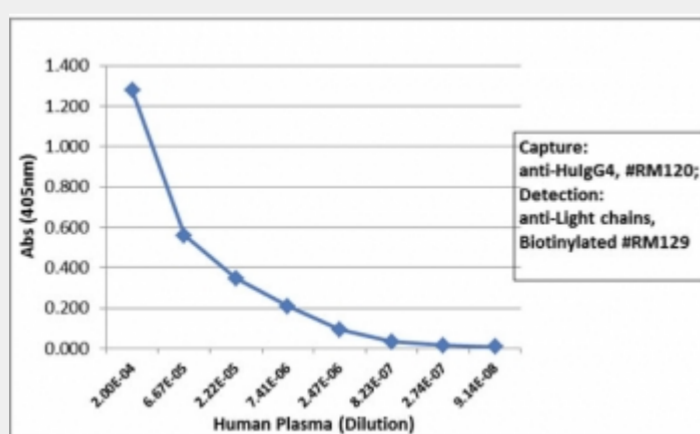
3503 (human);

References

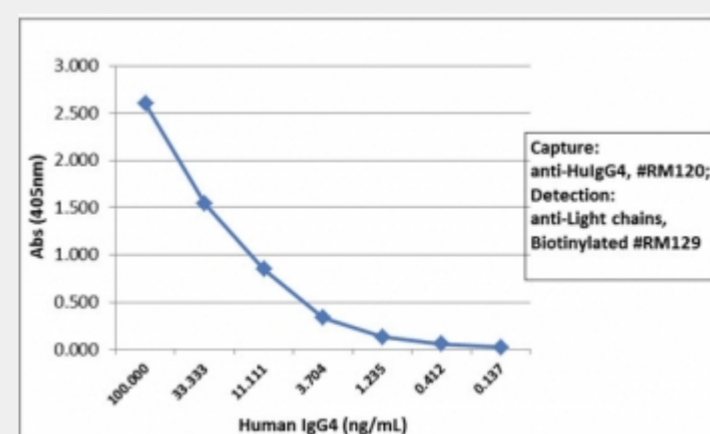
Purified

Product Description

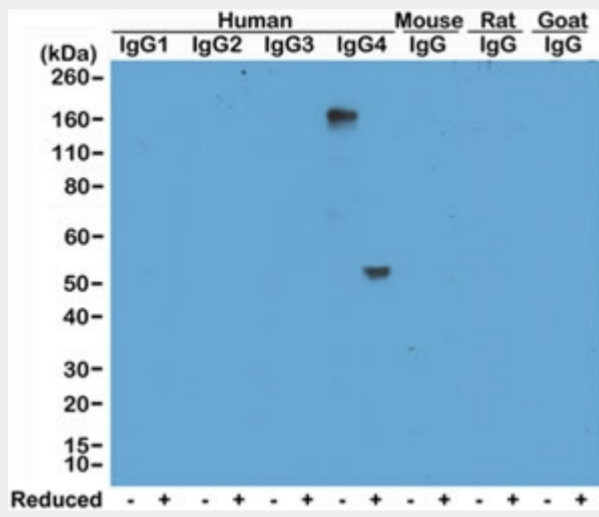
This recombinant Human IgG4 antibody reacts to the heavy chain of hIgG4. No cross reactivity with human IgG1, IgG2, IgG3, IgM, IgA, IgD, IgE, mouse/rat/goat IgG.



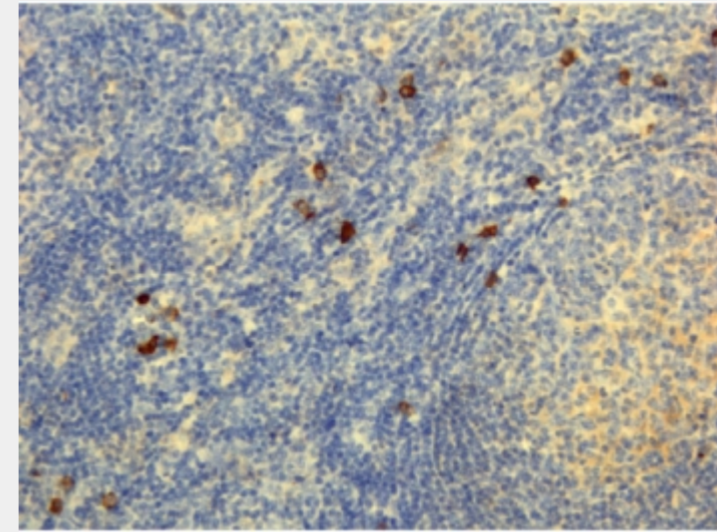
Sandwich ELISA with human plasma using recombinant Human IgG4 antibody as the capture, and [biotinylated anti-human light chains \(, kappa+, lambda\) antibody RM129](#) as the detect, followed by an AP conjugated streptavidin.



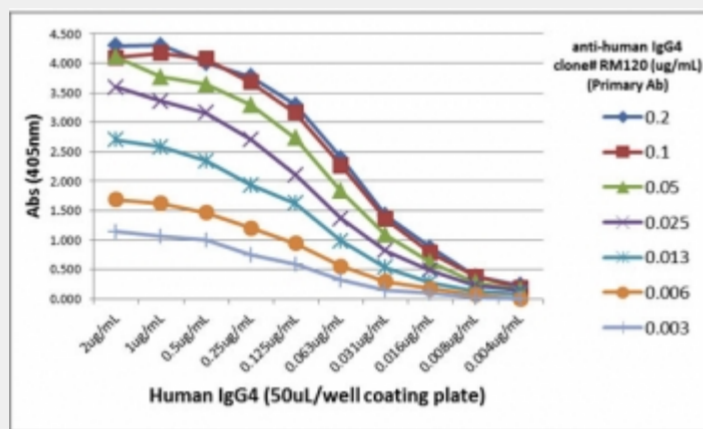
Sandwich ELISA with human IgG4 using recombinant Human IgG4 antibody as the capture, and [biotinylated anti-human light chains \(, kappa+, lambda\) antibody RM129](#) as the detect, followed by an AP conjugated streptavidin.



Western blot of human, mouse, rat, and goat IgG shows the recombinant Human IgG4 antibody reacts to hIgG4, in both whole molecule (~150kDa, non-reduced) and heavy chain (~50kDa, reduced) forms. No cross reactivity with other isotypes of hIgG, or mouse/rat/goat IgG.



IHC testing of FFPE human lymphoid tissue with recombinant Human IgG4 antibody.



ELISA Titration: the plate was coated with different amounts of hIgG4. A serial dilution of recombinant Human IgG4 antibody was used as the primary and an alkaline phosphatase conjugated anti-rabbit IgG as the secondary.

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!