



# Recombinant Rabbit Anti-Human IgG4 Antibody

Catalog No: tcna4771

Available Sizes
Size: 50ug
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: Biotin Conjugate
Clonality: Recombinant Rabbit Monoclonal
Clones: RM120
Isotype: Rabbit IgG
Form: Liquid



## **Storage Buffer:**

1 mg/ml in PBS with 50% glycerol, 1% BSA and 0.09% 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:**

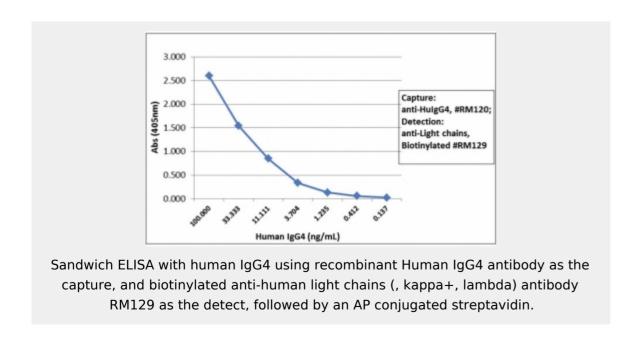
3503 (human);

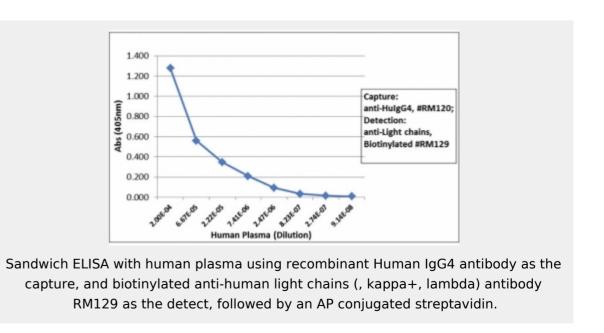
## References

Biotin Conjugate

# **Product Description**

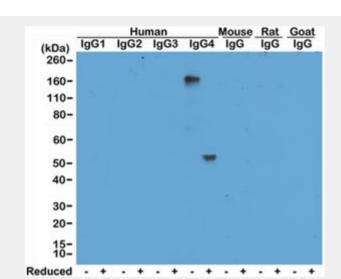
This recombinant Human IgG4 antibody reacts to the heavy chain of human IgG4. No cross reactivity with human IgG1, IgG2, IgG3, IgM, IgA, IgD, IgE, mouse IgG, rat IgG, or goat IgG.



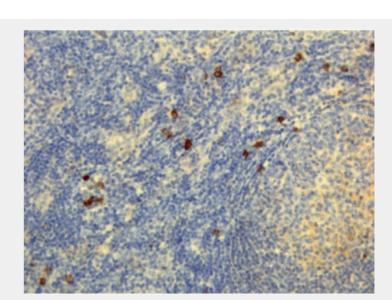




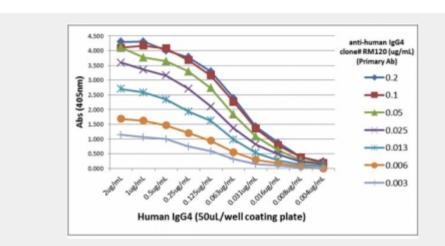




Western blot of human, mouse, rat, and goat IgG shows the recombinant Human IgG4 antibody reacts to hIgG4, in both whole molecule (~150kDa, non-reduced) and heavy chain (~50kDa, reduced) forms. No cross reactivity with other isotypes of hIgG, or mouse/rat/goat IgG.



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



ELISA Titration: the plate was coated with different amounts of hlgG4. 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!