**Product name**  
Anti-IgG4 antibody [EP4420]  
Recombinant RabMab®  

**Description**  
Rabbit monoclonal [EP4420] to IgG4  

**Host species**  
Rabbit  

**Specificity**  
Does not cross-react with IgG1, IgG2, or IgG3.  

**Tested applications**  
Suitable for: WB, IHC-P  
Unsuitable for: ICC or IP  

**Species reactivity**  
Reacts with: Human  

**Immunogen**  
Synthetic peptide within Human IgG4 aa 50-150 (Hinge). The exact sequence is proprietary.  

**Positive control**  
Human spleen and Human plasma lysates; Human tonsil tissue.  

**General notes**  
Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.  

Our RabMab® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMab® patents.  

This product is a recombinant rabbit monoclonal antibody.  

**Properties**  

**Form**  
Liquid  

**Storage instructions**  
Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Stable for 12 months at -20°C.  

**Storage buffer**  
pH: 7.20  
Preservative: 0.01% Sodium azide  
Constituents: 9% PBS, 40% Glycerol, 0.05% BSA, 50% Tissue culture supernatant  

**Purity**  
Tissue culture supernatant  

**Clonality**  
Monoclonal  

**Clone number**  
EP4420  

**Isotype**  
IgG
Application notes

Is unsuitable for ICC or IP.

Target

Relevance

IgG4 antibodies will dominate the IgG response in schistosomiasis, lymphatic filariasis, and in patients after allergen immunotherapy. Unlike the other IgG subclasses, IgG4 does not activate complement. A combined IgA-IgG4 deficiency has been associated with recurrent pyogenic infections.

Cellular localization

Secreted

Images

All lanes: Anti-IgG4 antibody [EP4420] (ab109493) at 1/1000 dilution

Lane 1: IgG4 Recombinant protein at 0.005 µg
Lane 2: IgG1 Recombinant protein at 0.01 µg
Lane 3: IgG2 Recombinant protein at 0.01 µg
Lane 4: IgG3 Recombinant protein at 0.01 µg
Lane 5: Human spleen lysate at 10 µg
Lane 6: Human plasma lysate at 10 µg

Predicted band size: 36 kDa
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IgG4 antibody [EP4420] (ab109493)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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