

human IgG Antibody

Purified Mouse Monoclonal Antibody Catalog # AO1002a

Specification

human IgG Antibody - Product Information

Application Reactivity Host Clonality Isotype Calculated MW **Description** WB Human Mouse Monoclonal IgG1 50kDa KDa

Monoclonal anti-human IgG is derived from the hybridoma1 produced by the fusion of mouse myeloma cells and splenocytes from an immunized mouse. It is specific for the whole human IgG molecule, has no across action with human IgM molecule as determined by an ELISA. Reactivity is observed with all human IgG subclasses but not with the Fab fragment of human IgG, the antibody site is located in the terminal end of human IgG (part of the Fab fragment), the Fc portion has various important functions such as complement fixation, site for rheumatoid factor.

Immunogen

Human IgG was isolated from human sera and purified by chromatography.

Formulation Purified antibody in PBS containing 0.03% sodium azide.

human IgG Antibody - Additional Information

Dilution WB~~1/500 - 1/2000

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

human IgG Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

human IgG Antibody - Protein Information

human IgG Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.



- <u>Western Blot</u>
- <u>Blocking Peptides</u>
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

human IgG Antibody - Images



Figure 1: Western blot analysis using IgG mouse mAb (lane 1, 2) and Albumin mouse mAb (lane 3, 4) against human serum (lane 1, 3) and plasma (lane 2, 4).

human IgG Antibody - References

1. Roitt, I, et al "Immunology", Mosby, London, England, (1996) fourth edition. 2. Vlug, A. et al "The structure and function of human IgG subclasses". Eur.Clin.Lab. 8, 26 (1989).