Datasheet for ABIN969481

Mouse anti-Human IgG (Heavy & Light Chain) Antibody

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Overview

Quantity:	100 µL
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	ELISA, Western Blotting (WB)

Product Details

Immunogen:	Human IgG was isolated from human sera and purified by chromatography.
Clone:	4D2D9G8-4A10
Isotype:	IgG1
Characteristics:	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.
Purification:	Purified

Target Details

Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody
Background:	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.
Molecular Weight:	50 kDa

Application Details

Application Notes:	Recommended Dilution: ELISA: 1/10000, WB: 1/500 - 1/2000 Not yet tested in other applications. Determining optimal working dilutions by titration test.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS containing 0.03 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.
Handling Advice:	Monoclonal antibodies should not be stored at a temperature below -25 °C due to the aggregation effect of the protein.

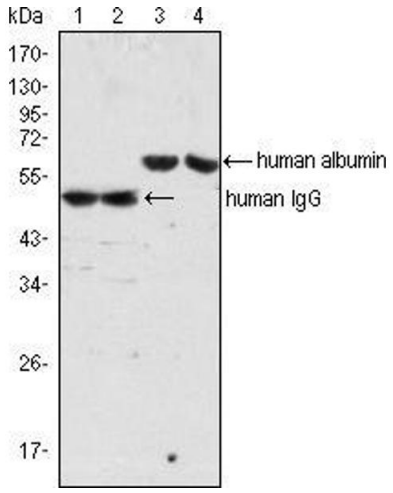
Handling

Storage:	4 °C/-20 °C
Storage Comment:	Store at 4 °C or at -20 °C for long term.

Publications

Product cited in:	Wang, Wu, Zhou, Guo, Zheng, Wang, Bi, Liu, Zhou, Guo, Sha: "Mapping of the N-linked glycoproteome of human spermatozoa." in: **Journal of proteome research**, Vol. 12, Issue 12, pp. 5750-9, (2013) (PubMed).

Images



Western Blotting

Image 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).