

Mouse anti-Human IgG Antibody [A5D12]

HA600076



Product Type:	Mouse monoclonal IgG, primary antibodies
Species reactivity:	Human
Applications:	WB, ELISA
Clone number:	A5D12

Description: Constant region of immunoglobulin heavy chains. Immunoglobulins, also known as antibodies, are membrane-bound or secreted glycoproteins produced by B lymphocytes. In the recognition phase of humoral immunity, the membrane-bound immunoglobulins serve as receptors which, upon binding of a specific antigen, trigger the clonal expansion and differentiation of B lymphocytes into immunoglobulins-secreting plasma cells. Secreted immunoglobulins mediate the effector phase of humoral immunity, which results in the elimination of bound antigens. The antigen binding site is formed by the variable domain of one heavy chain, together with that of its associated light chain. Thus, each immunoglobulin has two antigen binding sites with remarkable affinity for a particular antigen. The variable domains are assembled by a process called V-(D)-J rearrangement and can then be subjected to somatic hypermutations which, after exposure to antigen and selection, allow affinity maturation for a particular antigen.

Immunogen: Full length native protein corresponding to Human IgG.

Positive control: Human IgG protein.

Subcellular location: Cell Membrane and Secreted.

Database links: SwissProt: P01857 Human | P01859 Human | P01860 Human | P01861 Human

Recommended Dilutions:

WB	1:500-1:2,000
ELISA	1:1,000-1:20,000

Storage Buffer: 1*PBS (pH7.4).

Storage Instruction: Store at +4°C after thawing. Aliquot store at -20°C. Avoid repeated freeze / thaw cycles.

Purity: Protein G affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

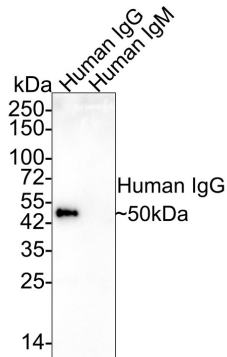
Service mail:support@huabio.cn

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Images

Fig1: Western blot analysis of Mouse anti-Human IgG on different lysates with Mouse anti-Mouse anti-Human IgG antibody (HA600076) at 1/1,000 dilution.

Lane 1: Recombinant human IgG protein
Lane 2: Recombinant human IgM protein



Lysates/proteins at 50 ng/Lane.

Observed band size: 50 kDa

Exposure time: 30 seconds;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (HA600076) at 1/1,000 dilution was used in 5% NFDM/TBST at 4°C overnight. Goat Anti-Mouse IgG - HRP Secondary Antibody (HA1006) at 1/50,000 dilution was used for 1 hour at room temperature.

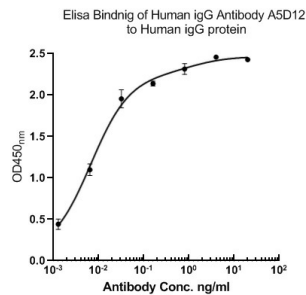


Fig2: Immobilized Human IgG protein at 1 µg/ml overnight at 4°C. Then blocked with 1% BSA for 1 hour at 37°C, and incubated with the primary antibody (HA600076) for 1 hour at 25°C.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

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