

Anti-IgA Antibody [3-F5]

HA601137



Product Type:	Mouse monoclonal IgG2b, primary antibodies
Species reactivity:	Human
Applications:	ELISA, WB
Molecular Wt:	Predicted band size: 37 kDa
Clone number:	3-F5

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. Ig alpha is the major immunoglobulin class in body secretions.

Immunogen: Native protein.

Positive control: Human serum.

Subcellular location: Cell membrane, Immunoglobulin, Membrane, Secreted.

Database links: SwissProt: P01876 Human | P01877 Human

Recommended Dilutions:

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

Storage Buffer: PBS (pH7.4), 0.1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

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Images

Fig1: Western blot analysis of IgA on human serum with Mouse anti-IgA antibody (HA601137) at 1/500 dilution.

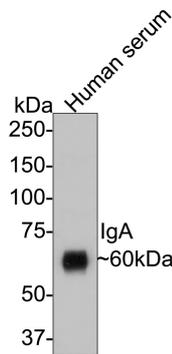
Lysates/proteins at 10 µg/Lane.

Predicted band size: 37 kDa

Observed band size: 60 kDa

Exposure time: 2 minutes;

8% 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 (HA601137) at 1/500 dilution was used in 5% NFDM/TBST at room temperature for 2 hours. Goat Anti-Mouse IgG - HRP Secondary Antibody (HA1006) at 1:150,000 dilution was used for 1 hour at room temperature.

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

Background References

1. Fahrbach KM et al. Differential binding of IgG and IgA to mucus of the female reproductive tract. PLoS One 8:e76176 (2013).
2. Kang S et al. In situ identification and localization of IGHA2 in the breast tumor microenvironment by mass spectrometry. J. Proteome Res. 11:4567-4574 (2012).

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