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IgA
Mouse Monoclonal antibody(Mab)
Catalog # AD80081

Specification

IgA - Product info

Application	**IHC-P**
Primary Accession	P01876
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**42849**

IgA - Additional info

Gene Name	**IGHA1 {ECO:0000303|PubMed:11340299, ECO:0000303|Ref.11}**

Other Names
Immunoglobulin heavy constant alpha 1 {ECO:0000303|PubMed:11340299, ECO:0000303|Ref.13}, Ig alpha-1 chain C region, Ig alpha-1 chain C region BUR, Ig alpha-1 chain C region TRO, IGHA1 {ECO:0000303|PubMed:11340299, ECO:0000303|Ref.13}

Dilution
IHC-P~~Ready-to-use

Storage
Maintain refrigerated at 2-8°C

Precautions	**IgA Antibody is for research use only and not for use in diagnostic or therapeutic procedures.**

IgA - Protein Information

Name IGHA1 {ECO:0000303|PubMed:11340299, ECO:0000303|Ref.13}

Function	**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**

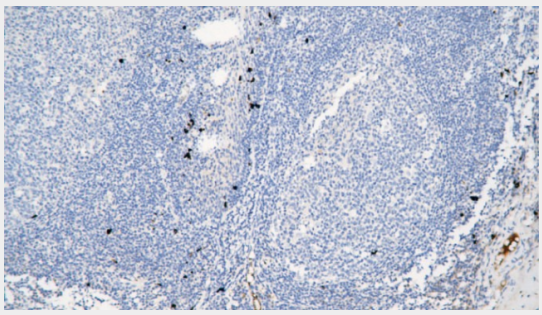
Cellular Location	**results in the elimination of bound antigens (PubMed:22158414, PubMed:20176268). The antigen binding site is formed by the variable domain of one heavy chain, together with that of its associated light chain. Thus, each immunoglobulin has two antigen binding sites with remarkable 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 (PubMed:17576170, PubMed:20176268). Ig alpha is the major immunoglobulin class in body secretions (PubMed:2241915). Secreted. Cell membrane**

IgA - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

IgA - Images



Tonsil