

IgA
Mouse Monoclonal Antibody (Mab)
Catalog # APA081**Specification**

IgA - Product Information

Application	IHC
Primary Accession	P01876
Host	Mouse
Clonality	Monoclonal
Calculated MW	37655 Da

IgA - Additional Information

Gene Name	IGHA1 {ECO:0000303 PubMed:11340299, ECO:0000303 Ref.12}
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Other Names

Immunoglobulin heavy constant alpha 1 {ECO:0000303|PubMed:11340299, ECO:0000303|Ref.12}, Ig alpha-1 chain C region, Ig alpha-1 chain C region BUR, Ig alpha-1 chain C region TRO, IGHAI {ECO:0000303|PubMed:11340299, ECO:0000303|Ref.12}

Dilution

IHC~~1:100~500

Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	IgA is for research use only and not for use in diagnostic or therapeutic procedures.

IgA - Protein Information

Name IGHAI {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 results in the elimination of bound antigens
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(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

Cellular Location

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 Cytometry](#)
- [Cell Culture](#)

IgA - Images