

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}
-----------	---

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}

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 (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