Lambda Chain
Mouse Monoclonal Antibody (Mab)
Catalog # APA089

Specification

Lambda Chain - Product Information

Application	**IHC**
Primary Accession	P0CG04
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**11348 Da**

Lambda Chain - Additional Information

Gene Name	**IGLC1 {ECO:0000303|PubMed:11872955, ECO:0000303|Ref.6}**

Other Names
Immunoglobulin lambda constant 1 {ECO:0000303|PubMed:11872955, ECO:0000303|Ref.6}, Ig lambda chain C region MGC, Ig lambda-1 chain C region, IGLC1 {ECO:0000303|PubMed:11872955, ECO:0000303|Ref.6}

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	**Lambda Chain is for research use only and not for use in diagnostic or therapeutic procedures.**

Lambda Chain - Protein Information

Name IGLC1 {ECO:0000303|PubMed:11872955, ECO:0000303|Ref.6}

Function	**Constant region of immunoglobulin light 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**

Cellular Location

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). Secreted. Cell membrane

Lambda Chain - 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

Lambda Chain - Images