

Lambda Chain

Mouse Monoclonal Antibody (Mab) Catalog # APA089

Specification

Lambda Chain - Product Information

Application Primary Accession Host Clonality Calculated MW IHC POCG04 Mouse Monoclonal 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}

Dilution IHC~~1:100~500

Storage

Precautions

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. 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 immunoglobulinssecreting 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). Secreted. Cell membrane

Cellular Location

Lambda Chain - Protocols

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

- <u>Western Blot</u>
- <u>Blocking Peptides</u>
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

Lambda Chain - Images