Lambda Chain
Mouse Monoclonal antibody(Mab)
Catalog # AD80089

Specification

Lambda Chain - Product info

Application	**IHC-P**
Primary Accession	P01701
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**12249**

Lambda Chain - Additional info

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

Other Names
Immunoglobulin lambda variable 1-51 {ECO:0000303|PubMed:11872955, ECO:0000303|Ref.7}, Ig lambda chain V-I region BL2, Ig lambda chain V-I region EPS, Ig lambda chain V-I region NEW, Ig lambda chain V-I region NIG-64, IGLV1-51 {ECO:0000303|PubMed:11872955, ECO:0000303|Ref.7}

Dilution
IHC-P~~Ready-to-use

Storage
Maintain refrigerated at 2-8°C

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

Lambda Chain - Protein Information

Name IGLV1-51 {ECO:0000303|PubMed:11872955, ECO:0000303|Ref.7}

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 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
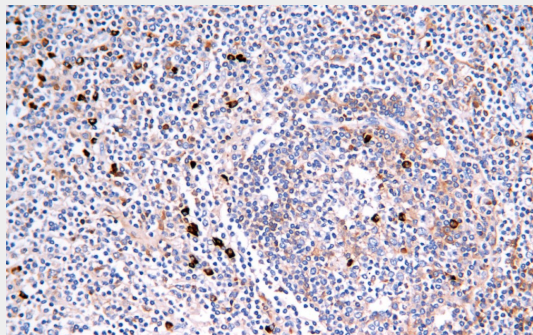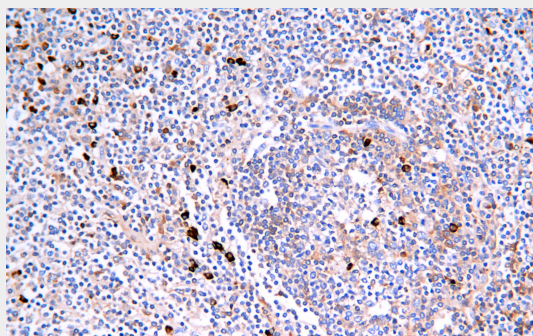
Cellular Location

Lambda Chain - Protocols

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

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

Lambda Chain - Images

Tonsil

Immunohistochemical analysis of paraffin-embedded human tonsil tissue using AD80089 performed on the Abcarta® FAIP-30 Fully automated IHC platform.Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a Citrate buffer (pH6. 0).Samples were incubated with primary antibody(Ready-to-use) for 15 min at room temperature. AmpSeeTM Detection Systems（Abcepta:AR005） was used as the secondary antibody.