

Lambda Light Chain Rabbit mAb

Catalog No.: A24137 **Recombinant**

Basic Information

Observed MW

Calculated MW

11kDa

Category

Primary antibody

Applications

IHC-P

Cross-Reactivity

Human

CloneNo number

ARC3224

Background

Immunoglobulins (Ig) are the antigen recognition molecules of B cells. An Ig molecule is made up of 2 identical heavy chains (see MIM 147100) and 2 identical light chains, either kappa (see MIM 147200) or lambda, joined by disulfide bonds so that each heavy chain is linked to a light chain and the 2 heavy chains are linked together. The kappa and lambda light chains have no apparent functional differences. Each Ig lambda light chain has an N-terminal variable (V) region containing the antigen-binding site and a C-terminal constant (C) region, encoded by a C region gene (IGLC1; MIM 147220), that provides signaling functions. The lambda light chain V region is encoded by 2 types of genes: V genes and joining (J) genes (see MIM 147230). Random selection of just 1 gene of each type to assemble a V region accounts for the great diversity of V regions among Ig molecules. The lambda light chain locus on chromosome 22 contains approximately 30 functional V genes, followed by approximately 4 functional J genes. Due to polymorphism, the numbers of functional V and J genes differ among individuals (Janeway et al., 2005).

Recommended Dilutions

IHC-P 1:100 - 1:200

Immunogen Information

Gene ID

3546

Swiss Prot

P0CG04

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

IGLV

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

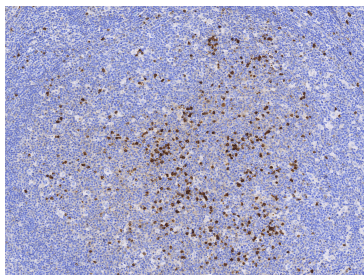
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using Lambda Light Chain Rabbit mAb (A24137) at a dilution of 1:100 (20x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.