

## Datasheet for ABIN6296641 **anti-IGLV1-51 antibody**

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### Overview

|              |  |
|--------------|--|
| Quantity:    | 100 µg   |
| Target:      | IGLV1-51   |
| Reactivity:  | Human  |
| Host:        | Mouse  |
| Clonality:   | Monoclonal   |
| Conjugate:   | This IGLV1-51 antibody is un-conjugated  |
| Application: | Immunohistochemistry (IHC), Western Blotting (WB), Flow Cytometry (FACS),<br>Immunofluorescence (IF) |

### Product Details

|               |   |
|---------------|---|
| Purpose:      | Mouse anti-Human Lambda Light Chain Antibody [Sodium Azide Free]                              |
| Immunogen:    | IgG purified from human serum was used as the immunogen for this Lambda Light Chain antibody. |
| Specificity:  | Cell Surface, Cytoplasmic and Secreted  |
| Purification: | IgG purified from human serum was used as the immunogen for this Lambda Light Chain antibody. |

### Target Details

|                   |  |
|-------------------|--|
| Target:           | IGLV1-51   |
| Alternative Name: | Immunoglobulin lambda variable 1-51 ( <a href="#">IGLV1-51 Products</a> )                    |
| Background:       | Target Description: Antibodies are produced by B lymphocytes, each expressing only one class |

## Target Details

of light chain. Once set, light chain class remains fixed for the life of the B lymphocyte. In a healthy individual, the total kappa to lambda ratio is roughly 3:1 in serum (measuring intact whole antibodies) or 1:1.5 if measuring free light chains, with a highly divergent ratio indicative of neoplasm. Individual B-cells in lymphoid tissue possess either kappa or lambda light chains, but never both together. Specific rearrangement of lambda light chain of immunoglobulins can lead to loss of some protein coding genes, which does not seem to be functionally relevant (while functionally relevant miR-650 can be overexpressed). Using immunohistochemistry, it is possible to determine the relative abundance of B-cells expressing kappa and lambda light chains. If the lymph node or similar tissue is reactive, or otherwise benign, it should possess a mixture of kappa positive and lambda positive cells. If, however, one type of light chain is significantly more common than the other, the cells are likely all derived from a small clonal population, which may indicate a malignant condition, such as B-cell lymphoma. [Wiki]  
Gene Symbol: IGLV1-51///IGLC1

Gene ID: 3535

UniProt: [P01701](#), [P0CG04](#)

## Application Details

Application Notes: Flow Cytometry: 0.5-1 µg/million cells in 0.1ml  
Immunofluorescence: 1-2 µg/mL  
Western blot: 0.5-1 µg/mL  
Immunohistochemistry (FFPE): 0.5-1 µg/mL for 30 minutes at RT

Restrictions: For Research Use only

## Handling

Buffer: In 1X PBS, BSA free, sodium azide free

Preservative: Azide free

Storage: 4 °C, -20 °C

Storage Comment: 2-8°C. The azide-free format should be aliquoted and stored at -20°C or colder.