

Lambda Light Chains Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50129

Clone# BP6133

Predicted Molecular Wt: 23kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P0CG04

Background:

Lambda light chains are polypeptide chains located in the cell membrane and cytoplasmic regions of normal B cells and plasma cells. The combination of lambda light chains and heavy chains forms immunoglobulin molecules. There are two classes of light chains found in immunoglobulins, kappa light chains and lambda light chains. Light chain production by lymphoid cells is genetically restricted such that the immunoglobulin molecules produced by an individual cell will only contain a single light chain class. The normal human kappa/lambda ratio is approximately 2:1. The presence of clear cut light chain restriction with a kappa/lambda ratio more than 10:1 is consistent with a malignant proliferation.

This antibody recognizes lambda light chains of human immunoglobulins, which may be useful in the identification of leukemias, plasmacytomas, and certain non-Hodgkin's lymphomas. The most common feature of these malignancies is the restricted expression of a single light chain class.

Subcellular location:

Cytoplasm

Recommended method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

Immunogen:

Synthetic peptide corresponding to residues within N-terminus of Immunoglobulin lambda constant 1 was used as an immunogen.

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage conditions:

-20°C

Storage instructions:

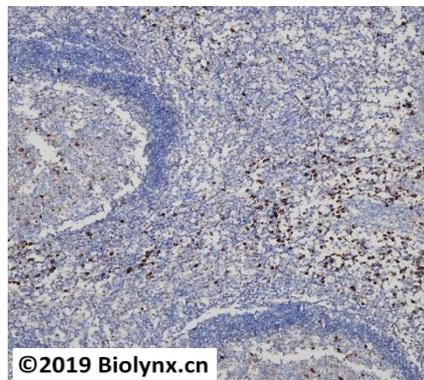
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

Recommended Dilutions:

IHC-P: 1:100-1:200

Background References:

1. Kremer M, et al. Virchows Arch. 2005 Dec; 447(6):920-37.
2. Marshall-Taylor CE, et al. Appl Immunohistochem Mol Morphol. 2002 Sep; 10(3):258-62.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of tonsil tissue labelling Lambda Light Chains with BP6133. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0

Product QC'd by: 

For research use only. Not for use in diagnostic or therapeutic applications.