Kappa Light Chain Ab-1 (Clone L1C1)
Mouse Monoclonal Antibody
Cat. #MS-143-P0, -P1, or -P (0.1ml, 0.5ml, or 1.0ml at 200µg/ml) (Purified Ab with BSA and Azide)
Cat. #MS-143-P1ABX or -PABX (0.1ml or 0.2ml at 1.0mg/ml) (Purified Ab without BSA and Azide)
Cat. #MS-143-B0, -B1, or -B (0.1ml, 0.5ml, or 1.0ml at 200µg/ml) (Biotin-Labeled Ab with BSA and Azide)
Cat. #MS-143-R7 (7.0ml) (Ready-to-Use for Immunohistochemical Staining)
Cat. #MS-143-PCS (5 Slides) (Positive Control for Histology)

Please note this data sheet has been changed effective Dec 11, 2009

**Description:** Antibody to the kappa light chain of immunoglobulin is reportedly useful in the identification of leukemias, plasmacytomas, and certain non-Hodgkin’s lymphomas. Demonstration of clonality in lymphoid infiltrates indicates that the infiltrate is clonal and therefore malignant.

**Mol. Wt. of Antigen:** 25kDa

**Epitope:** Not determined

**Species Reactivity:** Human. Does not react with rat. Others-not known.

**Clone Designation:** L1C1

**Ig Isotype / Light Chain:** IgG1 / κ

**Immunogen:** B lymphoma cells

**Applications and Suggested Dilutions:**

- Immunohistochemistry (Formalin/paraffin)
  - (Ab 1:400-800 for 20 min at RT using a high-sensitivity detection system such as UltraVision LP (Cat# TL-015))
  - (Staining of formalin/paraffin tissues REQUIRES boiling tissue sections in 10mM citrate buffer, pH 6.0, (NEOMARKERS’ Cat. #AP-9003) for 10-20 min followed by cooling at RT for 20 min.)

The optimal dilution for a specific application should be determined by the investigator.

- **Staining tips:** If the staining is too light, use lower dilution or longer time.
  - If the staining is too strong, use higher dilution or shorter time.

**Positive Control:** Tonsil

**Cellular Localization:** Cytoplasmic

**Supplied As:**
200µg/ml antibody purified from the ascites fluid by Protein G chromatography. Prepared in 10mM PBS, pH 7.4, with 0.2% BSA and 0.09% sodium azide. Also available without BSA and azide at 1mg/ml. or Prediluted antibody which is ready-to-use for staining of formalin-fixed, paraffin-embedded tissues.

**Storage and Stability:**
Ab with sodium azide is stable for 24 months when stored at 2-8°C. Antibody WITHOUT sodium azide is stable for 36 months when stored at below 0°C.

**Suggested References:**

**Limitations and Warranty:**
Our products are intended FOR RESEARCH USE ONLY and are not approved for clinical diagnosis, drug use or therapeutic procedures. No products are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our data sheets and website. Our warranty is limited to the actual price paid for the product. NeoMarkers is not liable for any property damage, personal injury, time or effort or economic loss caused by our products.

**Material Safety Data:**
This product is not licensed or approved for administration to humans or to animals other than the experimental animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. The material contains 0.09% sodium azide as a preservative. Although the quantity of azide is very small, appropriate care should be taken when handling this material as indicated above. The National Institute of Occupational Safety and Health has issued a bulletin citing the potential explosion hazard due to the reaction of sodium azide with copper, lead, brass, or solder in the
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For Research Use Only

References Describing The Immunohistochemical Detection Of Kappa Light Chain:

14. Takahashi H; Tsuda N; Tezuka F; Fujita S; Okabe H. Non-Hodgkin's lymphoma of the major salivary gland: a morphologic and
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