

Lambda Light Chain Ab-1 (Clone HP6054)

Mouse Monoclonal Antibody

Cat. #MS-180-P0, -P1, or -P (0.1ml, 0.5ml, or 1.0ml at 50µg/ml) (Purified Ab with BSA and Azide)**Cat. #MS-180-P1ABX or -PABX (0.1ml or 0.2ml at 1.0mg/ml)** (Purified Ab without BSA and Azide)**Cat. #MS-180-R7 (7.0ml)** (Ready-to-Use for Immunohistochemistry)**Cat. #MS-180-PCS (5 Slides)** (Positive Control for Histology)**Please note this data sheet has been changed effective December 6, 2011**

Description: Antibody to the lambda 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:** HP6054**Ig Isotype / Light Chain:** IgG_{2a} / k**Immunogen:** Purified human IgG myeloma proteins covalently coupled to polyaminostyrene micro beads.**Applications and Suggested Dilutions:**

- Immunohistology (Formalin/paraffin)
(Ab 1:100-200 for 20 min at RT using UltraVision LP Detection Systems)
- * [Staining of formalin-fixed tissues REQUIRES boiling tissue sections in 10mM citrate buffer, pH 6.0, (Lab Vision 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.

Positive Control: Tonsil**Cellular Localization:** Cytoplasmic**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.

Supplied As:

50µg/ml antibody purified from the ascites fluid by Protein A 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.

Key References:

1. Reimer CB et. al. Hybridoma, 1984, 3:263-75.

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. Lab Vision 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 plumbing systems. Sodium azide forms hydrazoic acid in acidic conditions and should be discarded in a large volume of running water to avoid deposits forming in metal drainage pipes.

For Research Use Only

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1. Black CM; McDougal JS; Holman RC; Evatt BL; Reimer CB. Cross-reactivity of 75 monoclonal antibodies to human immunoglobulin with sera of non-human primates. *Immunology Letters*, 1993, 37(2-3):207-13.
2. Jefferis R; Reimer CB; Skvaril F; de Lange GG; Goodall DM; Bentley TL; Phillips DJ; Vlug A; Harada S; Radl J; et al. Evaluation of monoclonal antibodies having specificity for human IgG subclasses: results of the 2nd IUIS/WHO collaborative study. *Immunology Letters*, 1992, 31(2):143-68.
3. Phillips DJ; Wells TW; Reimer CB. Estimation of association constants of 42 monoclonal antibodies to human IgG epitopes using a fluorescent sequential-saturation assay. *Immunology Letters*, 1988, 17(2):159-68.
4. Jefferis R; Reimer CB; Skvaril F; de Lange G; Ling NR; Lowe J; Walker MR; Phillips DJ; Aloisio CH; Wells TW; et al. Evaluation of monoclonal antibodies having specificity for human IgG sub-classes: results of an IUIS/WHO collaborative study. *Immunology Letters*, 1985, 10(3-4):223-52.
5. Reimer CB; Phillips DJ; Aloisio CH; Moore DD; Galland GG; Wells TW; Black CM; McDougal JS. Evaluation of thirty-one mouse monoclonal antibodies to human IgG epitopes. *Hybridoma*, 1984, 3(3):263-75.

