IgD (δ-Heavy Chain) Ab-1
Rabbit Polyclonal Antibody
Cat. #RB-1436-A0, -A1, or -A (0.1ml, 0.5ml, or 1.0ml)
Cat. #RB-1436-R7 (7.0ml) (Ready-to-Use for Immunohistochemical Staining)
Cat. #RB-1436-PCS (5 Slides) (Positive Control for Histology)

**Description:** The most common feature of plasmacytomas, and certain non-Hodgkin’s lymphomas is the restricted expression of a single heavy chain class. Demonstration of clonality in lymphoid infiltrates indicates that the infiltrate is clonal and therefore malignant.

**Comments:** Ab-1 recognizes delta heavy chain of human immunoglobulins. Ab-1 does not cross-react with alpha (IgA), epsilon (IgE), mu (IgM), or gamma (IgG), heavy chains, T-cells, monocytes, granulocytes, or erythrocytes. Ab-1 is useful in the identification of leukemias, plasmacytomas, and certain non-Hodgkin’s lymphomas.

**Mol. Wt. of Antigen:** 50kDa

**Epitope:** Not determined

**Species Reactivity:** Human. Others-not known.

**Immunogen:** IgD isolated from a pool of normal human sera.

**Applications and Suggested Dilutions:**
- Immunohistology (Formalin/paraffin)
  (Use Ab at 1:500-1:1000 for 30 min at RT)
- (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.

**Positive Control:** Tonsil

**Cellular Localization:** Cytoplasmic

**Storage and Stability:** Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months.

**Supplied As:**
- Purified antibody fraction from rabbit anti-serum. Prepared in 10mM PBS, pH 7.4, with 0.2% BSA and 0.09% sodium azide.
- or
- Prediluted antibody which is ready-to-use for staining of formalin-fixed, paraffin-embedded tissues.

**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 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.

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