**CD20 Ab-1 (Clone L26)**

**Mouse Monoclonal Antibody**

Cat. #MS-340-S0, -S1, or -S (0.1ml, 0.5ml, or 1.0ml Supernatant)
Cat. #MS-340-R7 (7.0ml) (Ready-to-Use for Immunohistochemical Staining)
Cat. #MS-340-PCS (5 Slides) (Positive Control for Histology)

**Please note this data sheet has been changed effective March, 29 2010**

**Description:** CD20 is a non-Ig differentiation antigen of B cells and the expression of CD20 is restricted to normal and neoplastic B cells, being absent from all other leukocytes and tissues. It acts as calcium channel involved in B cell activation and cell cycle progression.

**Comments:** Ab-1 has been shown to be a reliable antibody for ascribing a B-cell phenotype in formalin-fixed, paraffin-embedded lymphoid tissues.

**Mol. Wt. of Antigen:** 30-33kDa

**Epitope:** Cytoplasmic domain

**Species Reactivity:** Human. Does not react with cow, dog, pig, and rat. Others not known.

**Clone Designation:** L26 (Workshop V; code CB015)

**Ig Isotype / Light Chain:** IgG2a / κ

**Immunogen:** Human tonsil B cells

**Applications and Suggested Dilutions:**
- Flow Cytometry
- Immunofluorescence
- Immunohistology (Formalin/paraffin) (Ab 1:250 for 60 min at RT using UltraVision LP Systems)
  * [No special pretreatment is required for the immunohistochemical staining of formalin/paraffin tissues.]

  (Ab 1:250 for 20 min at RT using UltraVision Quanto systems)

  [Staining of formalin-fixed tissues REQUIRES boiling tissue 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:** Cell membrane / cytoplasm

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

**Supplied As:** Tissue culture supernatant with 0.09% sodium azide, or
Prediluted antibody which is ready-to-use for staining of formalin-fixed, paraffin-embedded tissues.

**Key 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 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

Additional Key References:

2. Anwar N; Kingma DW; Bloch AR; Mourad M; Raffeld M; Franklin J; Magrath I; el Bolkainy N; Jaffe ES. The investigation of Epstein-Barr viral sequences in 41 cases of Burkitt's lymphoma from Egypt: epidemiologic correlations. Cancer, 1995 Oct 1, 76(7):1245-52.
7. Siebert JD; Ambinder RF; Napoli VM; Quintana-Martinez L; Banks PM; Oluley ML. Human immuno deficiency virus-associated Hodgkin's disease contains latent, not replicative, Epstein-Barr virus. Hum Pathol, 1995, 26:1191-5.
9. Wickenhauser C; Thiele J; Drebber U; Kvasnicka HM; Thiel A; Schmitz B; Hausmann ML; Fischer R. CD34+ human hematopoietic progenitor cells of the bone marrow differ from those of the peripheral blood: an immunocytochemical and morphometric study. Acta Haematol, 1995, 93:83-90.

12. Ellison DJ; Sharpe RW; Robbins BA; Spinosa JC; Leonard JD; Saven A; Piro LD. Immunomorphologic analysis of bone marrow biopsies after treatment with 2-chlorodeoxyadenosine for hairy cell leukemia. Blood, 1994, 84(12):4316-5.
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