CD30 (Reed-Sternberg Cell Marker) Ab-1 (Clone Ber-H2)

Mouse Monoclonal Antibody
Cat. #MS-361-S0, -S1, or -S (0.1ml, 0.5ml, or 1.0ml Supernatant)
Cat. #MS-361-R7 (7.0ml) (Ready-to-Use for Immunohistochemical Staining)
Cat. #MS-361-PCS (5 Slides) (Positive Control for Histology)

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

**Description:** CD30, a single chain glycoprotein, is synthesized as a 90kDa precursor which is processed in the Golgi complex into a membrane-bound phosphorylated mature 105/120kDa glycoprotein. The CD30/Ki-1 antigen is expressed by mononuclear Hodgkin and multinucleated Reed-Sternberg cells in Hodgkin’s disease, by the tumor cells of a majority of anaplastic large cell lymphomas, and by a varying proportion of activated T and B cells.

**Comments:** Ab-1 distinguishes large cell lymphomas derived from activated lymphoid cells from histiocytic malignancies and lymphomas derived from resting and precursor lymphoid cells or from anaplastic carcinomas. About one third of the Ki-1 positive lymphomas lack the leukocyte common antigen (CD45).

**Mol. Wt. of Antigen:** 120kDa (mature), 95kDa (precursor)

**Epitope:** Not determined

**Species Reactivity:** Human. Does not react with baboon and monkey. Others-not known.

**Clone Designation:** Ber-H2

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

**Immunogen:** Co cells.

**Applications and Suggested Dilutions:**

- Immunohistology (Formalin/paraffin)
  
  *(Ab 1:40-1:80 for 20 min at RT using UltraVision LP detection systems)*

- Prediluted antibody which is ready-to-use for staining of formalin-fixed, paraffin-embedded tissues.
  
  *(Ab 1:40 for 20 min at RT using UltraVision Quanto detection systems)*

  *[Staining of formalin-fixed tissues REQUIRES boiling tissue sections in 1mM EDTA, pH 8.0, (NEOMARKERS’ Cat. #AP-9004), 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:** Hodgkin’s lymphoma

**Cellular Localization:** Cell membrane and cytoplasm.

**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.

**Storage and Stability:**

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

**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**

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Manufactured by:
NeoMarkers
For Lab Vision Corporation
Additional Key Reference:


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