CD20 (B-Cell Marker) (L26)

Format	Catalog No.	Pack size	Dilution
Concentrated	G29475 A, B, C	0.1, 0.5, 1.0 mL	1:100-200
Prediluted	G29475 AA, BB	6.0, 3.0 mL	Ready to use

SPECIES: Mouse

IMMUNOGEN: Human tonsil B cells

CLONE: L26

ISOTYPE: Ig2a/Kappa

FORMAT: This antibody has been pre-titered and quality controlled to work on formalin-fixed paraffin-embedded as well as acetone fixed cryostat tissue sections. No further titration is required.

SPECIES REACTIVITY: Human, Rat

POSITIVE CONTROL: U266 cell lines. Human lymphocytes. Human lymph node or tonsil., Daudi, Raji

CELLULAR LOCALIZATION: Cell Membrane

INTENDED USE: For Research Use Only (RUO).

BACKGROUND: CD20 is a B-cell non-Ig differentiation antigen that is only expressed by healthy and malignant B-cells; it is not present in any other leukocytes or tissues. Pre-B cells express CD20, which is present throughout the whole B-cell maturation process but disappears when the cells terminally differentiate into plasma cells. This MAb can be utilized for B-cell localization in tissues, B lymphocyte detection in peripheral blood, and immunophenotyping of leukemia and malignant cells. It reacts with the majority of B-cells found in lymphoid organs and peripheral blood, as well as the lymphomas that result from these reactions. B-immunoblasts and germinal center blasts are especially reactive in lymphoid tissue. When identifying the B-cell phenotype in recognized lymphoid organs, this antibody is dependable. There have been isolated reports of CD20-positive T-cell lymphomas. Additionally, reactivity with Reed-Sternberg cells, namely of the lymphocyte predominate type, has been seen in Hodgkin's disease cases.

SPECIES REACTIVITY : Human, Rat

POSITIVE CONTROL : U266 cell lines. Human lymphocytes. Human lymph node or tonsil., Daudi, Raji

CELLULAR LOCALIZATION : Cell Membrane

MICROBIOLOGICAL STATE : Non-sterile product; store according to recommended guidelines.

RECOMMEDNED USAGE:

- **Immunohistochemistry (IHC):** 1–2 µg/ml
  - Requires Tris-EDTA (pH 9.0) antigen retrieval at 95°C for 45 min, followed by cooling for 20 min at RT
- **Immunofluorescence (IF):** 1–3 µg/ml

- **Storage Conditions:** 1–3 µg/ml
  - With azide: 2–8°C
  - Without azide: –20 to –80°C

- **Stability:** 24 months

LIMITATIONS AND USES:

1. For research use only (RUO).
2. Contains 0.05% sodium azide – handle with care
3. Avoid skin and mucosal contact
4. Not intended for diagnostic or therapeutic use

STABILITY AND STORAGE –

Avoid freezing. Keep between 2 and 8°C. After use, immediately return to 2–8°C. Never use after the label's stated expiration date. Before using the antibody, visually confirm that it hasn't been contaminated. If the reagent precipitates or gets hazy, do not use it.

RESTRICTIONS–

Histological and immunological detection techniques are both used in the intricate process of immunohistochemistry. Results from tissue handling and processing before immunostaining can vary. Results may differ depending on the intrinsic characteristics of the tissue samples or on differences in fixation and embedding. Depending on the detection method employed, endogenous biotin and endogenous peroxidase or pseudoperoxidase activity in erythrocytes may result in non-specific staining. The methods and suggestions in this data sheet were verified with Genebio IHC reagents and might not work with other detection systems.

TECHNICAL SUPPORT

For technical assistance, please contact Genebio Solution's Technical Support at www.genebiosolution.com