9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

# 36-3543: Anti-CD20 / MS4A1 (B-Cell Marker) Monoclonal Antibody(Clone: L26)

| | |
|---|---|
| **Clonality :** | Monoclonal |
| **Clone Name :** | L26 |
| **Application :** | FACS,IF,WB,IHC |
| **Reactivity :** | Human |
| **Gene :** | MS4A1 |
| **Gene ID :** | 931 |
| **Uniprot ID :** | P11836 |
| **Alternative Name :** | APY; ATOPY; B-lymphocyte cell-surface antigen B1; Bp35; Fc epsilon receptor I beta chain; Fc Fragment of IgE high affinity I receptor for beta polypeptide; FCER1B; High affinity immunoglobulin epsilon receptor subunit beta; IgE Fc receptor subunit beta; IGEL; IGER; IGHER; Leukocyte surface antigen Leu-16; Ly44; MS4A1; MS4A2 |
| **Isotype :** | Mouse IgG2a, kappa |
| **Immunogen Information :** | Human tonsil B cells |

## Description

Recognizes a protein of 30-33kDa, which is identified as CD20. Its epitope is located in the cytoplasmic domain of CD20 and was, therefore, ascribed as CD20cy in the 5th Workshop. CD20 is a non-Ig differentiation antigen of B-cells and its expression is restricted to normal and neoplastic B-cells, being absent from all other leukocytes and tissues. CD20 is expressed by pre B-cells and persists during all stages of B-cell maturation but is lost upon terminal differentiation into plasma cells. This MAb can be used for immunophenotyping of leukemia and malignant cells, B lymphocyte detection in peripheral blood and B cell localization in tissues. It reacts with the majority of B-cells present in peripheral blood and lymphoid tissues and their derived lymphomas. In lymphoid tissue, germinal center blasts and B-immunoblasts are particularly reactive. It is a reliable antibody for ascribing a B-cell phenotype in known lymphoid tissues. Rarely, CD20-positive T-cell lymphomas have been reported. Reactivity has also been noted with Reed-Sternberg cells in cases of Hodgkin s disease, particularly of lymphocyte predominant type.

## Product Info

| | |
|---|---|
| **Amount :** | 20 µg / 100 µg |
| **Content :** | 200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml. |
| **Storage condition :** | Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. |

## Application Note

Flow Cytometry (0.5-1ug/million cells); Immunofluorescence (1-2ug/ml); Western Blotting (1-2ug/ml);,Immunohistology (Formalin-fixed) (0.5-1ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes),

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***

9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

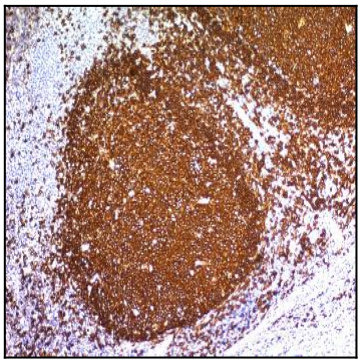


Fig. 1: Formalin-fixed, paraffin-embedded human Tonsil stained with CD20 Mouse Monoclonal Antibody (L26).

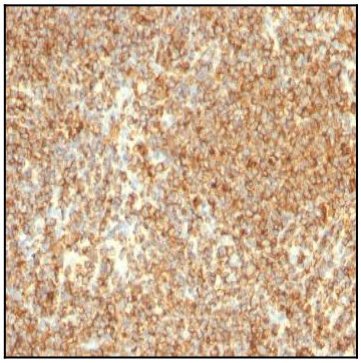


Fig. 2: Formalin-fixed, paraffin-embedded human Lymphoma stained with CD20 Mouse Monoclonal Antibody (L26).

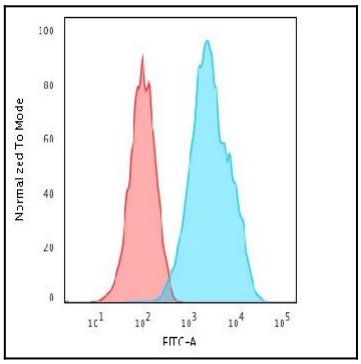



Fig. 3: Cytometric Analysis of Raji cells using CD20 Mouse Monoclonal Antibody (L26) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).

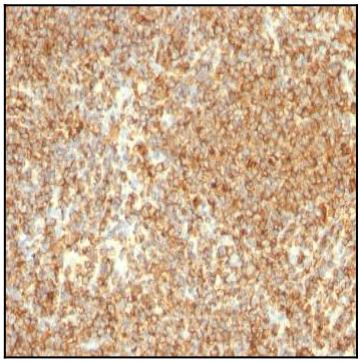


Fig. 4: Formalin-fixed, paraffin-embedded human Lymphoma stained with CD20 Mouse Monoclonal Antibody (L26).

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***

9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

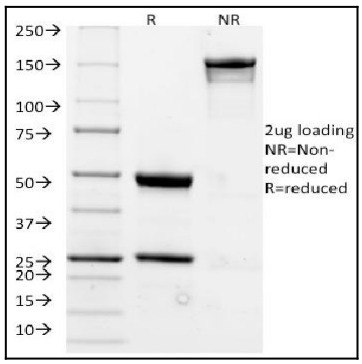



Fig. 5: SDS-PAGE Analysis Purified CD20 Mouse Monoclonal Antibody (L26). Confirmation of Integrity and Purity of Antibody.

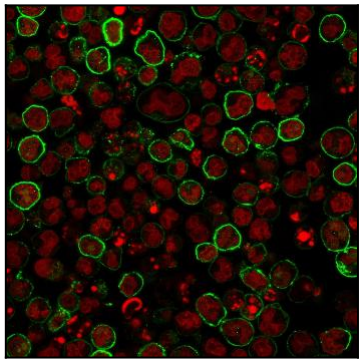


Fig. 6: Immunofluorescence staining of Raji cells using CD20 Mouse Monoclonal Antibody (L26) followed by goat anti-Mouse IgG conjµgated to CF488 (green). Nuclei are stained with Reddot.

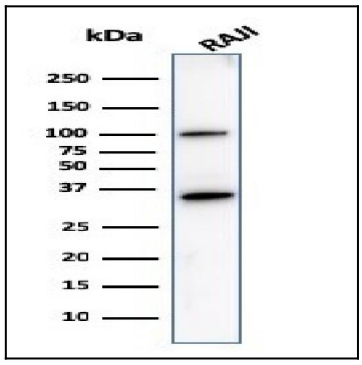



Fig. 7: Western Blot Analysis of Raji cell lysate using CD20 Mouse Monoclonal Antibody (L26).

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***