

## CD20 / MS4A1 (B-Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone L26]

Catalog No	Format	Size
931-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
931-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
931-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

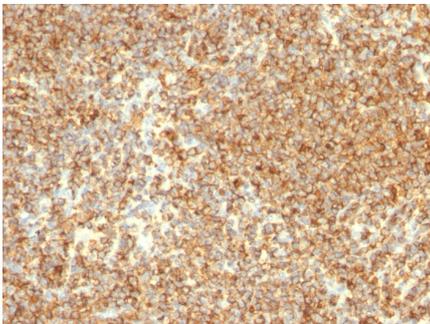
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Western Blot (WB)	2-4ug/ml	

### Product Details

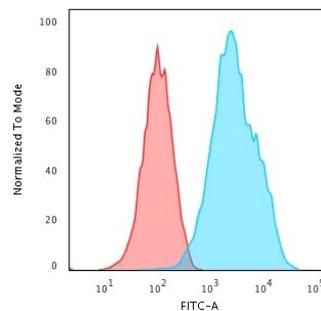
<b>Clone</b>	L26
<b>Gene Name</b>	MS4A1
<b>Immunogen</b>	Human tonsil B cells
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG2a / Kappa
<b>Mol. Weight of Antigen</b>	33-37kDa
<b>Cellular Localization</b>	Cell membrane
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	U266 cell lines. Human lymphocytes. Human lymph node or tonsil., Daudi, Raji

\*Optimal dilution for a specific application should be determined.

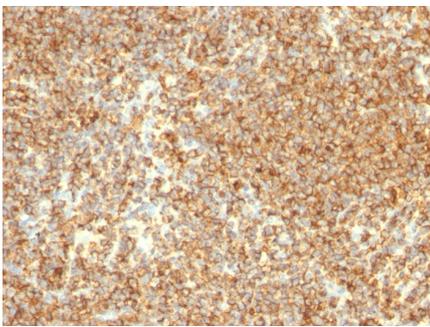
### Product Images for CD20 / MS4A1 (B-Cell Marker) Antibody



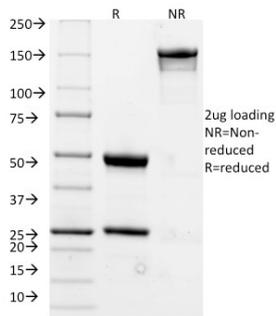
Formalin-fixed, paraffin-embedded human Lymphoma stained with CD20 Mouse Monoclonal Antibody (L26).



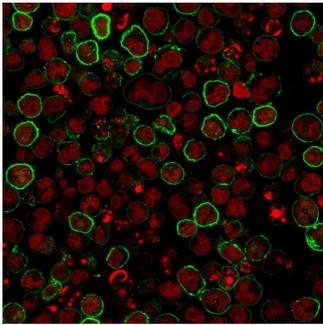
Flow Cytometric Analysis of Raji Cells. using CD20 Mouse MAb (L26) followed by Goat anti-mouse IgG-CF488 (Blue); Isotype Control (Red).



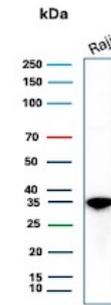
Formalin-fixed, paraffin-embedded human Lymphoma stained with CD20 Mouse Monoclonal Antibody (L26).



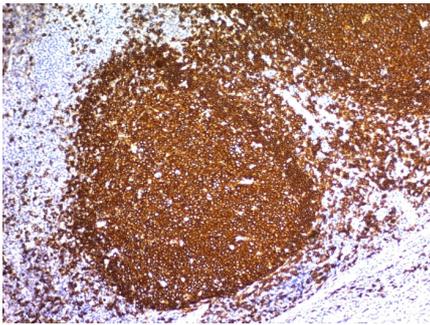
SDS-PAGE Analysis Purified CD20 Mouse Monoclonal Antibody (L26). Confirmation of Integrity and Purity of Antibody.



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



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



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

### Specificity & Comments

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.

### Supplied As

200ug/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 and Stability

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. No MSDS required.

### Research Areas

B Cell Markers, Hematopoietic Stem Cells

## Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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