

36-1891: Monoclonal Antibody to CD20 / MS4A1 (B-Cell Marker)(Clone : SPM494)

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| Clonality : | Monoclonal |
| Clone Name : | SPM494 |
| Application : | FACS,IF,IHC |
| Reactivity : | Human |
| Gene : | MS4A1 |
| Gene ID : | 931 |
| Uniprot ID : | P11836 |
| Format : | T.C. Sup. |
| Alternative Name : | MS4A1,CD20 |
| Isotype : | Mouse IgG2a, kappa |
| Immunogen Information : | Human tonsil B cells |

Description

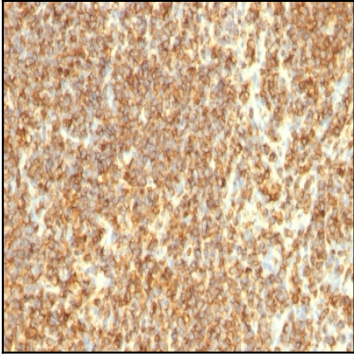
Recognizes a protein of 30-33kDa, which is identified as CD20. Its epitope is located in the cytoplasmic domain of CD20 and was, therefore, ascribed as CD20cy in the 5th Workshop. CD20 is a non-Ig differentiation antigen of B-cells and its expression is restricted to normal and neoplastic B-cells, being 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

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| Amount : | 0.5 ml |
| Content : | Tissue culture supernatant with 0.05% Azide. |
| Storage condition : | Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles. |

Application Note

Flow Cytometry (2-5ul/million cells); Immunofluorescence (1:100-1:200); ,Immunohistochemistry (Formalin-fixed) (1:100-1:200 for 30 minutes at RT) ,(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);



Formalin-fixed, paraffin-embedded human Lymphoma stained with CD20 Monoclonal Antibody (SPM494)