

Mouse CD20 / MS4A1 Monoclonal Antibody | anti-MS4A1 antibody

CD20 / MS4A1 (B-Cell Marker) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62844	Mouse	Human, Baboon, Monkey. Does not react with Cow, Dog, Pig, and Rat	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

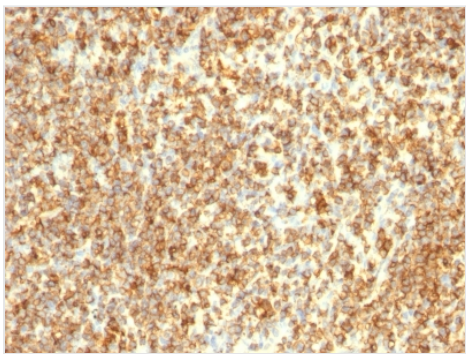
PRODUCT SYNONYMS

CD20 / MS4A1; Monoclonal Antibody; CD20 / MS4A1 (B-Cell Marker) Mouse Monoclonal Antibody; APY; ATOPY; B-lymphocyte antigen CD20; 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; LEU16; Leukocyte surface antigen Leu-16; Ly44; Membrane spanning 4 domains subfamily A member 2; Membrane-spanning 4-domains subfamily A member 1 (MS4A1); anti-MS4A1 antibody

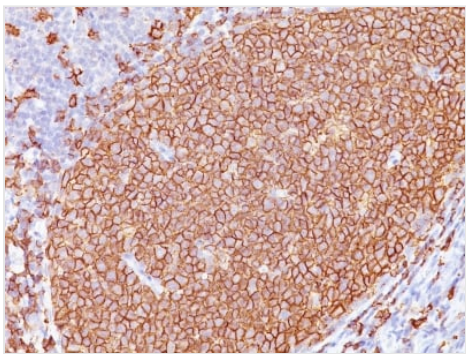
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Baboon, Monkey. Does not react with Cow, Dog, Pig, and Rat
Clonality	Monoclonal
Isotype	IgG
Clone Number	L26 + IGEL/773
Specificity	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.
Form/Format	Tissue culture supernatant with 0.05% Azide.
Sequence Length	297
Applicable Applications for anti-MS4A1 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Predominantly Cell Surface with some cytoplasmic
Immunogen	Human tonsil B cells (L26); Recombinant human MS4A1 protein (IGEL/773)
Hu-Chromosome Location	11q12.2
Positive Control	Daudi, Raji, and U266, and human lymphocytes. Lymph nodes and tonsils.
Preparation and Storage	Store at 2 to 8 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Lymphoma stained with CD20 Monoclonal Antibody (L26 + Igel/773)



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Tonsil stained with CD20 Monoclonal Antibody (L26 + Igel/773)

ADDITIONAL INFORMATION

References	Schlossman, S., et al., eds. 1995. Leucocyte Typing V. New York: Oxford University Press
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NCBI AND UNIPROT INFORMATION

NCBI GI #	23110987
NCBI GeneID	931
NCBI Accession #	NP_068769.2
NCBI GenBank Nucleotide #	NM_021950.3
UniProt Accession #	P11836; P08984; Q13963; A6NMS4; B4DT24
Molecular Weight	33-37kDa
NCBI Official Full Name	B-lymphocyte antigen CD20
NCBI Official Synonym Full Names	membrane spanning 4-domains A1
NCBI Official Symbol	MS4A1
NCBI Official Synonym Symbols	B1; S7; Bp35; CD20; CVID5; MS4A2; LEU-16
NCBI Protein Information	B-lymphocyte antigen CD20
UniProt Protein Name	B-lymphocyte antigen CD20
UniProt Gene Name	MS4A1
UniProt Synonym Gene Names	CD20
UniProt Entry Name	CD20_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.