

Mouse CD20 Monoclonal Antibody | anti-MS4A1 antibody

Anti-CD20 Antibody, Mouse Monoclonal

CATALOG # AAA255285	HOST Mouse	REACTIVITY Human, Cynomolgus	APPLICATIONS Immunohistochemistry
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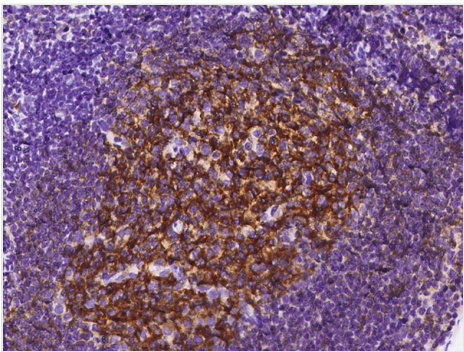
PRODUCT SYNONYMS

CD20; Monoclonal Antibody; Anti-CD20 Antibody; Mouse Monoclonal; CD20/MS4A1 Antibody; Mouse MAb; membrane-spanning 4-domains; subfamily A; member 1; Anti-B1 Antibody; Anti-Bp35 Antibody; Anti-CVID5 Antibody; Anti-LEU-16 Antibody; Anti-MS4A1 Antibody; Anti-MS4A2 Antibody; Anti-S7 Antibody; anti-MS4A1 antibody

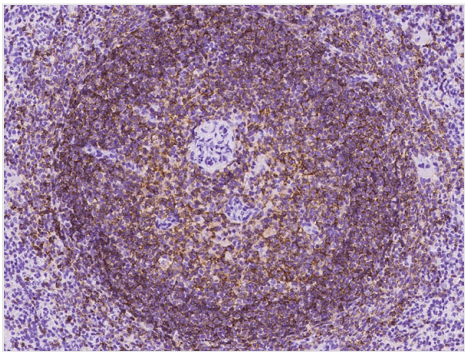
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Cynomolgus
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	03
Specificity	Human CD20
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-MS4A1 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant Human CD20/MS4A1 Protein
Conjugation	Unconjugated
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human CD20/MS4A1 (rh CD20/MS4A1). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

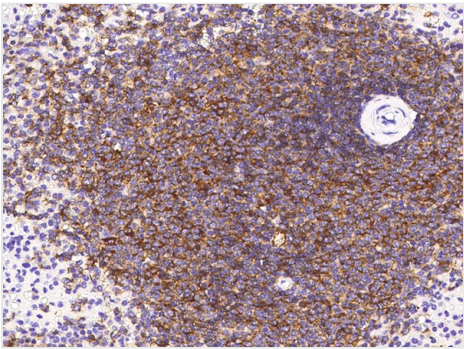
IMAGES



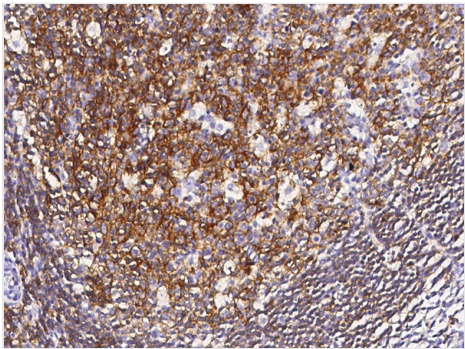
IHC (Immunohistochemistry)
Immunochemical staining CD20 in cynomolgus lymph node with mouse monoclonal antibody at 1:30 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)
Immunochemical staining CD20 in cynomolgus spleen with mouse monoclonal antibody at 1:30 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)
Immunochemical staining CD20(L) in human spleen with mouse monoclonal antibody (1:30, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)
Immunochemical staining CD20(L) in human tonsil with mouse monoclonal antibody (1:30, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-MS4A1 antibody	CD20 (membrane-spanning 4-domains, subfamily A, member 1), also known as MS4A1, is a member of the membrane-spanning 4A gene family. Members of this nascent protein family are characterized by common structural features and similar intron/exon splice boundaries and display unique expression patterns among hematopoietic cells and nonlymphoid tissues. CD20/MS4A1 is expressed in all stages of B cell development except the first and last. CD20/MS4A1 is present from pre-pre B cells through memory cells, but not on either pro-B cells or plasma cells. It is a B-lymphocyte surface molecule that plays a role in the development and differentiation of B-cells into plasma cells. CD20/MS4A1 may be involved in the regulation of B-cell activation and proliferation. Defects in CD20/MS4A1 are the cause of immunodeficiency common variable type 5 (CVID5). CVID5 is a primary immunodeficiency characterized by antibody deficiency, hypogammaglobulinemia, recurrent bacterial infections, and an inability to mount an antibody response to antigen. The defect results from a failure of B-cell differentiation and impaired secretion of immunoglobulins; the numbers of circulating B-cells are usually in the normal range but can be very low.
Product Categories/Family for anti-MS4A1 antibody	Cancer Drug Targets
References	Tedder TF, et al. (1988) Isolation and structure of a cDNA encoding the B1 (CD20) cell-surface antigen of human B lymphocytes. Proc Natl Acad Sci. 85(1): 208-12. Cragg MS, et al. (2005) The biology of CD20 and its potential as a target for mAb therapy. Curr Dir Autoimmun. 8: 140-74.. Polyak MJ, et al. (2003) A cholesterol-dependent CD20 epitope detected by the FMC7 antibody. Leukemia. 17(7): 1384-9.

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	33077 MW
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd20-antibody-clone-03-immunohistochemistry-elisa/255285>