

Mouse anti-Human CD20 Monoclonal Antibody | anti-MS4A1 antibody

Anti-CD20 Antibody, Mouse Monoclonal

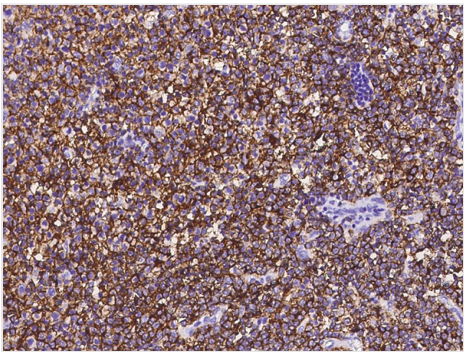
CATALOG # AAA257526	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

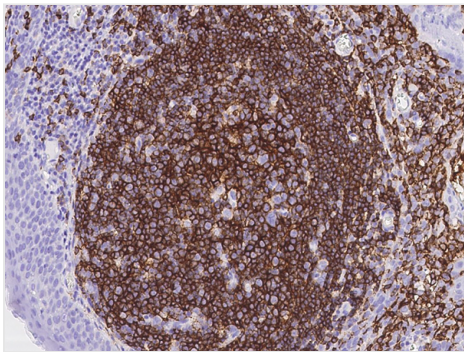
CD20; Monoclonal Antibody; Anti-CD20 Antibody; Mouse Monoclonal; CD20/MS4A1 Antibody; Mouse MAb; Anti-B1 Antibody; Anti-Bp35 Antibody; Anti-CVID5 Antibody; Anti-LEU-16 Antibody; Anti-MS4A1 Antibody; Anti-MS4A2 Antibody; Anti-S7 Antibody; membrane-spanning 4-domains; subfamily A; member 1; anti-MS4A1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

PRODUCT SPECIFICATIONS

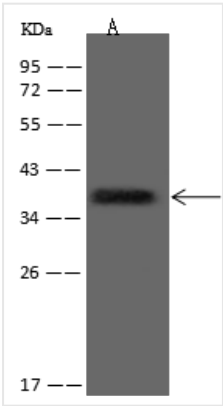
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	90
Specificity	Human CD20/MS4A1
Purity/Purification	Protein A
Form/Format	Liquid. 0.2um filtered solution in PBS
Applicable Applications for anti-MS4A1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant 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 CD200RLa/CD200R1L (rh CD200RLa/CD200R1L; AAT00538.1; Met1-Leu239) and then biotinylated. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography and then biotinylated.
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. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.



IHC (Immunohistochemisry)
Immunochemical staining of human CD20 in human lymphoma with mouse monoclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohiostchemistry)
Immunochemical staining of human CD20 in human tonsil with mouse monoclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)
Anti-CD20 mouse monoclonal antibody at 1:1000 dilutionLane A: Raji Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Mouse IgG (H+L)/HRP at 1/10000 dilution.Developed using the ECL technique.Performed under reducing conditions.Predicted band size:33 kDaObserved band size:36 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-MS4A1 antibody	Background: 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.

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-90-immunohistochemistry-western-blot-elisa/257526>