

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

Monoclonal Antibody to CD20 (Clone: ABM46C7)

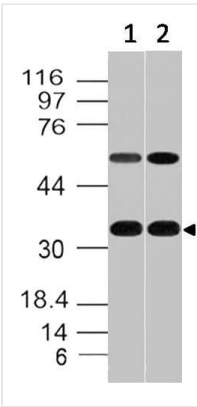
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78262	Mouse	Human	Western Blot, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD20; Monoclonal Antibody; Monoclonal Antibody to CD20 (Clone: ABM46C7); MS4A1; B-lymphocyte surface antigen B1; Bp35; Leukocyte surface antigen Leu-16; Membrane-spanning 4-domains subfamily A member 1; Antibody to CD20; Anti-CD20 Antibody; CD20 Antibody; anti-CD20 antibody

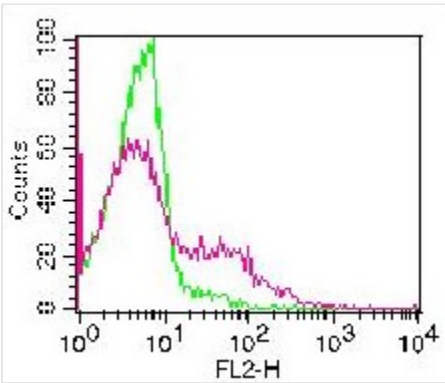
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b Kappa
Clone Number	ABM46C7
Purity/Purification	Purified Protein G Chromatography
Form/Format	25 ug in 50 ul/100 ug in 200 ul PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Sequence Length	297
Applicable Applications for anti-CD20 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry)
Immunogen Information	A partial length recombinant protein corresponding to extra cellular domain of CD20 was used as the immunogen for this antibody.
Antigen	CD20
Preparation and Storage	Store the antibody at 4 degree C, stable for 6 months. For long-term storage, store at -20 degree C. Avoid repeated freeze and thaw cycles.



WB (Western Blot)

Fig-2: Western blot analysis of CD20. Anti-CD20 antibody (Clone: ABM46C7) was tested at 2 ug/ml on Raji and Ramos lysates.



FCM/FACS (Flow Cytometry)

Fig-1: Cell surface flow analysis of hCD20 on human PBMCs (Lymphocytes gated) using 0.5 ug/ 10⁶ cells. Green represents isotype control ; red represents anti-hCD20 antibody. Goat anti-mouse PE conjugated secondary antibody was used. (Cells were incubated with primary antibody for 45 min. then washed twice with FLOW Staining buffer by centrifuging at 1100 rpm for 5 min, followed by 30 min incubation with conjugated secondary antibody. Data acquisition was done after washing twice with staining buffer).

ADDITIONAL INFORMATION

Related Product Information for anti-CD20 antibody	CD20 is clinically validated as an immunotherapy target for B-cell lymphomas and autoimmune diseases. CD20 consists of large, intracellular, amino- and carboxyterminal portions connected by 4 membrane-spanning domains. Its high expression on malignant B cells and its reported lack of shedding from the surfacemake CD20 an ideal target for antibody-mediated killing. Anti-CD20 antibodies are believed to mediate the therapeutic effect by activation of complement-dependent cytotoxicity (CDC) and largely by antibody-dependent cellular cytotoxicity exerted by recruitment of innate immune effector cells expressing the Fcgamma receptor IIIa.
Product Categories/Family for anti-CD20 antibody	Antibodies; Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	115968
NCBI GeneID	931
UniProt Accession #	P11836; P08984; Q13963; A6NMS4; B4DT24
Molecular Weight	14,581 Da
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

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.