

Mouse CD20 Antibody | anti-CD20 antibody

Anti-CD20 [10F381 (rituximab)], Mouse IgG2a

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72230	Mouse	Human, Rhesus Monkey, Cynomolgus Monkey	Flow Cytometry, Functional Assay

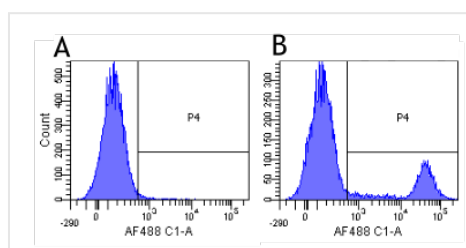
PRODUCT SYNONYMS

CD20; Anti-CD20 [10F381 (rituximab)]; Mouse IgG2a; Leu16; B-lymphocyte antigen CD20; B-lymphocyte surface antigen B1; Bp35 Leukocyte surface antigen Leu-16; Membrane-spanning 4-domains subfamily A member 1; anti-CD20 antibody

PRODUCT SPECIFICATIONS

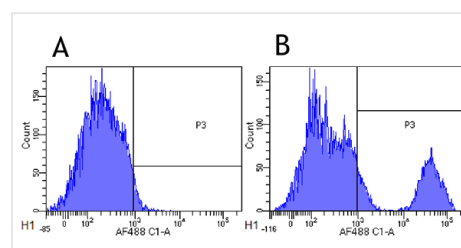
Host	Mouse
Reactivity	Human, Rhesus Monkey, Cynomolgus Monkey
Isotype	Mouse IgG2a, Kappa
Clone Number	10F381 (rituximab)
Specificity	CD20 (Human B-lymphocyte-restricted differentiation antigen, Bp35), is a hydrophobic transmembrane protein with a molecular weight of approximately 35 kDa located on pre-B and mature B lymphocytes, and most B-cell non-Hodgkin's lymphomas, but is not found on stem cells, pro-B cells, normal plasma cells or other normal tissues.
Purity/Purification	Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CD20 antibody	FCM/FACS (Flow Cytometry)
Immunogen	Human lymphoblastoid cell line SB.
Chimeric Use Statement	This chimeric mouse antibody was made using the variable domain sequences of the original Human IgG1 format, for improved compatibility with existing reagents, assays and techniques.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



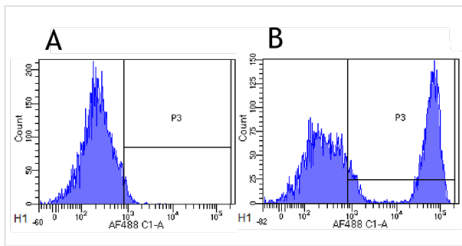
FCM/FACS (Flow Cytometry)

Flow-cytometry using the anti-CD20 research biosimilar antibody Rituximab (AAA72230) Human lymphocytes were stained with an isotype control or the rabbit-chimeric version of Rituximab (AAA72230-23.0, panel B) at a concentration of 1 ug/ml for 30 mins at RT. After washing, bound antibody was detected using a AF488 conjugated donkey anti-rabbit antibody (ab150073) and cells analysed on a FACSCanto flow-cytometer.



FCM/FACS (Flow Cytometry)

Flow-cytometry using the anti-CD20 research biosimilar antibody Rituximab (AAA72230) Cynomolgus monkey lymphocytes were stained with an isotype control or the rabbit-chimeric version of Rituximab (AAA72230-23.0, panel B) at a concentration of 1 ug/ml for 30 mins at RT. After washing, bound antibody was detected using a AF488 conjugated donkey anti-rabbit antibody (ab150073) and cells analysed on a FACSCanto flow-cytometer.



FCM/FACS (Flow Cytometry)
 Flow-cytometry using the anti-CD20 research biosimilar antibody Rituximab (AAA72230) Rhesus monkey lymphocytes were stained with an isotype control or the rabbit-chimeric version of Rituximab (AAA72230-23.0, panel B) at a concentration of 1 ug/ml for 30 mins at RT. After washing, bound antibody was detected using a AF488 conjugated donkey anti-rabbit antibody (ab150073) and cells analysed on a FACSCanto flow-cytometer.

ADDITIONAL INFORMATION

Product Categories/Family for anti-CD20 antibody	biosimilar
References	Reff ME, Carner K, Chambers KS, Chinn PC, Leonard JE, Raab R, Newman RA, Hanna N, Anderson DR. Depletion of B cells in vivo by a chimeric mouse human monoclonal antibody to CD20. Blood. 1994 Jan 15;83(2):435-45. PMID:7506951

NCBI AND UNIPROT INFORMATION

NCBI GI #	115968
NCBI GeneID	931
UniProt Accession #	P11836; P08984; Q13963; A6NMS4; B4DT24
Molecular Weight	297
NCBI Official Full Name	B-lymphocyte antigen CD20
NCBI Official Synonym Full Names	membrane-spanning 4-domains, subfamily A, member 1
NCBI Official Symbol	MS4A1
NCBI Official Synonym Symbols	B1; S7; Bp35; CD20; CVID5; MS4A2; LEU-16
NCBI Protein Information	B-lymphocyte antigen CD20; CD20 antigen; CD20 receptor; leukocyte surface antigen Leu-16; B-lymphocyte cell-surface antigen B1
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/mouse-cynomolgus-monkey-human-monkey-rhesus-monkey-antibody/cd20/72230>