

CD20 recombinant antibody

Anti-CD20 [10F381 (rituximab)]

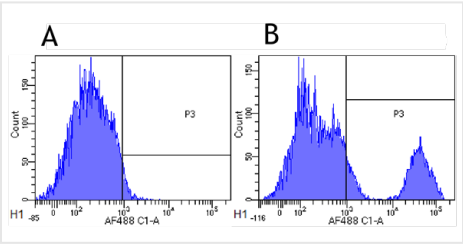
CATALOG # AAA71982	REACTIVITY Human, Rhesus Monkey, Cynomolgus Monkey	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

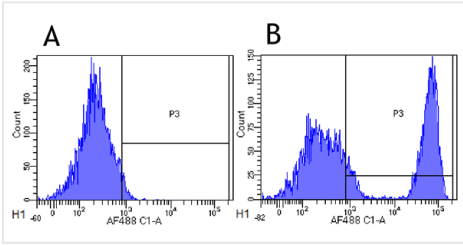
CD20; Monoclonal Recombinant Antibody; Anti-CD20 [10F381 (rituximab)]; B-lymphocyte antigen CD20; B-lymphocyte surface antigen B1; Bp35 Leukocyte surface antigen Leu-16; Membrane-spanning 4-domains subfamily A member 1; CD20 recombinant antibody

PRODUCT SPECIFICATIONS

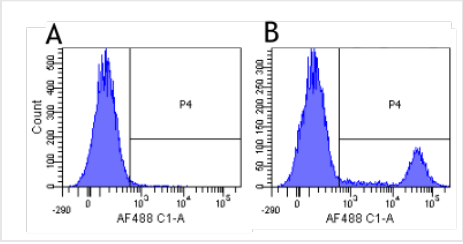
Reactivity	Human, Rhesus Monkey, Cynomolgus Monkey
Clonality	Monoclonal
Isotype	Rabbit IgG, Kappa
Clone Number	10F381
Specificity	CD20 (Human B-lymphocyte-restricted differentiation antigen, Bp35), is a hydrophobic transmembrane protein with a molecular weight of approximately 35 kDa located on pre-B 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
Concentration	1 mg/ml (varies by lot)
Sequence Length	297
Applicable Applications for CD20 recombinant antibody	FCM/FACS (Flow Cytometry)
Immunogen	Human lymphoblastoid cell line SB.
Buffer Composition	PBS only with 0.02% Proclin 300.
Chimeric Use Statement	This chimeric rabbit antibody was made using the variable domain sequences of the original Human IgG1 format, for improved compatibility with existing reagents, assays and techniques.
Labeled Substance	None
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.



FCM/FACS (Flow Cytometry)
Flow-cytometry using the anti-CD20 research biosimilar antibody Rituximab Cynomolgus monkey lymphocytes were stained with an isotype control or the rabbit-chimeric version of Rituximab 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 and cells analysed on a FACSCanto flow-cytometer.



FCM/FACS (Flow Cytometry)
Flow-cytometry using the anti-CD20 research biosimilar antibody Rituximab Rhesus monkey lymphocytes were stained with an isotype control or the rabbit-chimeric version of Rituximab 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 and cells analysed on a FACSCanto flow-cytometer.



FCM/FACS (Flow Cytometry)
Flow-cytometry using the anti-CD20 research biosimilar antibody Rituximab Human lymphocytes were stained with an isotype control or the rabbit-chimeric version of Rituximab 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 and cells analysed on a FACSCanto flow-cytometer.

ADDITIONAL INFORMATION

Related Product Information for CD20 recombinant antibody	Recombinant monoclonal antibody to CD20. Manufactured using a proprietary Recombinant Platform with variable regions (i.e. specificity) from the therapeutic antibody 10F381 (rituximab). Human lymphoblastoid cell line SB.
Product Categories/Family for CD20 recombinant 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 #	23110987
NCBI GeneID	931
NCBI Accession #	NP_068769.2
NCBI GenBank Nucleotide #	NM_021950.3
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd20-recombinant-antibody-clone-10f381-flow-cytometry-elisa/71982>