

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

Anti-CD20 [CAT-13.6E12]

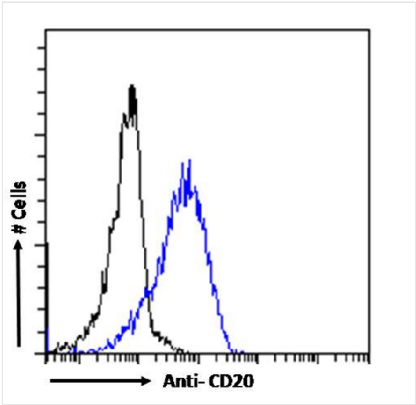
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72144	Mouse	Human	Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

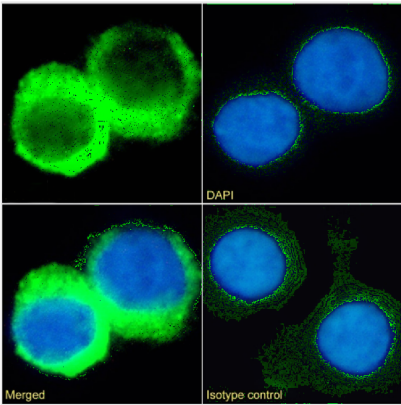
CD20; Monoclonal Antibody; Anti-CD20 [CAT-13.6E12]; Leu16; B-lymphocyte antigen CD20; B-lymphocyte surface antigen B1; Bp35; Leukocyte surface antigen Leu-16; Membrane-spanning 4-domains subfamily A member 1; CAT 13.6E12; anti-CD20 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1, kappa
Clone Number	CAT-13.6E12
Specificity	This antibody recognizes human CD20, which is a B-lymphocyte-specific membrane protein that plays a role in the regulation of cellular calcium influx necessary for the development, differentiation, and activation of B-lymphocytes.
Purity/Purification	Purified antibody. 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)
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 antibody CAT-13.6E12 (AAA72144). Paraformaldehyde fixed Daudi cells were stained with anti-unknown specificity antibody or the rabbit IgG version of CAT-13.6E12 (AAA72144-23.0, blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.



IF (Immunofluorescence)
Immunofluorescence staining of fixed Daudi cells with anti-CD20 antibody CAT-13.6E12 (AAA72144). Immunofluorescence analysis of paraformaldehyde fixed Daudi cells on Shi-fix coverslips stained with the chimeric rabbit IgG version of CAT-13.6E12 (AAA72144-23.0) at 10ug/ml for 1h followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom AAA72144-23.0, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CD20 antibody	Recombinant monoclonal antibody to CD20. Recombinant Platform with variable regions (i.e. specificity) from the hybridoma CAT-13.6E12. This antibody was raised by immunising mice against CD20.
Product Categories/Family for anti-CD20 antibody	B cells; lymphoma; primary intraocular lymphoma; immunology
References	Fisson et al. Use of an anti-cd20 antibody for treating primary intraocular lymphoma U.S. Patent Application 13/143,056. Note on publication: This patent describes CAT 13.6E12 antibody.

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/monoclonal/cd20-antibody-clone-cat-13-6e12-flow-cytometry-elisa/72144>