

Mouse anti-Human CD19 Monoclonal Antibody | anti-CD19 antibody

Anti-CD19 [CAT-13.1E10]

CATALOG # AAA72145	HOST Mouse	REACTIVITY Human
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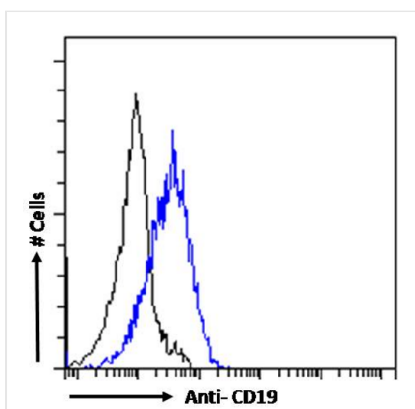
PRODUCT SYNONYMS

CD19; Monoclonal Antibody; Anti-CD19 [CAT-13.1E10]; Leu12; B-lymphocyte antigen CD19; B-lymphocyte surface antigen B4; Differentiation antigen CD19 T-cell surface antigen Leu-12; B4; CAT 13.1E10; anti-CD19 antibody

PRODUCT SPECIFICATIONS

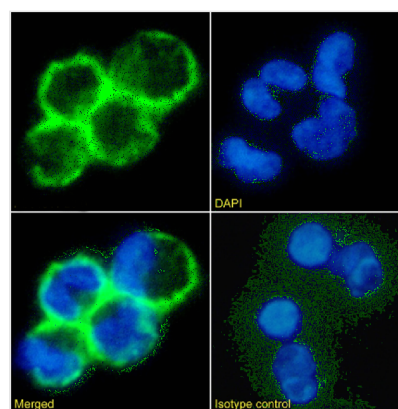
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1, kappa
Clone Number	CAT-13.1E10
Specificity	CAT 13.1E10 antibody recognizes CD19, which is a transmembrane glycoprotein that regulates B lymphocyte development, activation, and differentiation.
Purity/Purification	Purified antibody. Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
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-CD19 antibody CAT-13.1E10. Paraformaldehyde fixed Daudi cells were stained with anti-unknown specificity antibody or the rabbit IgG version of CAT-13.1E10 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 human peripheral blood leukocytes with anti-CD19 antibody CAT-13.1E10. Immunofluorescence analysis of paraformaldehyde fixed human peripheral blood leukocytes on Shi-fix coverslips stained with the chimeric rabbit IgG version of CAT-13.1E10 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 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-CD19 antibody	Recombinant monoclonal antibody to CD19. Recombinant Platform with variable regions (i.e. specificity) from the hybridoma CAT-13.1E10. This antibody was raised by immunising mice against CD19.
Product Categories/Family for anti-CD19 antibody	therapeutics research; lymphoma; EBV; Epstein Barr; immunology; cancer
References	Procko et al. University of Washington, 2017. Polypeptides to inhibit epstein barr viral protein BHRF1 and B cell lymphoma family proteins. U.S. Patent 9,750,814. Note on publication: This patent describes the potential therapeutical use of CAT-13.1E10 antibody.

NCBI AND UNIPROT INFORMATION

NCBI GI #	296010921
NCBI GeneID	930
NCBI Accession #	NP_001171569.1
NCBI GenBank Nucleotide #	NM_001178098.1
UniProt Accession #	P15391; Q96S68; Q9BRD6; A0N0P9
Molecular Weight	61,128 Da
NCBI Official Full Name	B-lymphocyte antigen CD19 isoform 1
NCBI Official Synonym Full Names	CD19 molecule
NCBI Official Symbol	CD19
NCBI Official Synonym Symbols	B4; CVID3
NCBI Protein Information	B-lymphocyte antigen CD19; differentiation antigen CD19; T-cell surface antigen Leu-12; B-lymphocyte surface antigen B4
UniProt Protein Name	B-lymphocyte antigen CD19
UniProt Gene Name	CD19
UniProt Entry Name	CD19_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/cd19-antibody-clone-cat-13-1e10-elisa/72145>