

Mouse anti-Human CD23 Monoclonal Antibody | anti-CD23 antibody

Anti-CD23 [CAT-13.9C1]

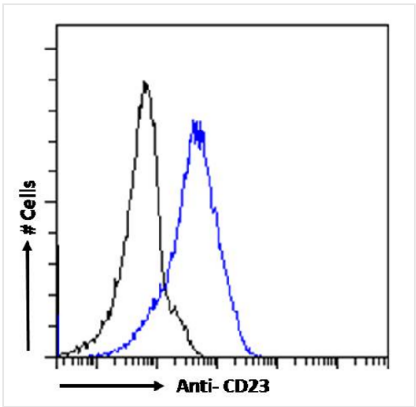
CATALOG # AAA72149	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunofluorescence
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PRODUCT SYNONYMS

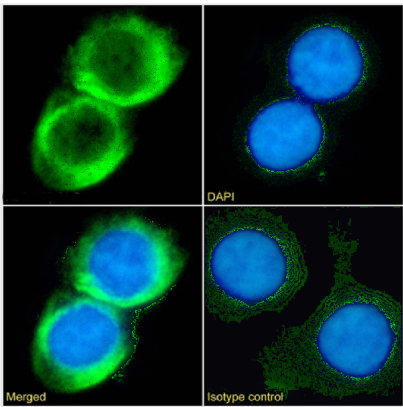
CD23; Monoclonal Antibody; Anti-CD23 [CAT-13.9C1]; Low affinity IgE Receptor; Low affinity immunoglobulin epsilon Fc receptor; BLAST-2; C-type lectin domain family 4 member J; Fc-epsilon-RII; Immunoglobulin E-binding factor; Lymphocyte IgE receptor; CAT 13.9C1; anti-CD23 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG2a, kappa
Clone Number	CAT-13.9C1
Specificity	This antibody recognizes CD23, which is a low-affinity receptor for immunoglobulin E (IgE) and CR2/CD21. Has essential roles in the regulation of IgE production and in the differentiation of B-cells.
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-CD23 antibody	IF (Immunofluorescence)
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-CD23 antibody CAT-13.9C1 . Paraformaldehyde fixed Daudi cells were stained with anti-unknown specificity antibody or the rabbit IgG version of CAT-13.9C1 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-CD23 antibody CAT-13.9C1. Immunofluorescence analysis of paraformaldehyde fixed Daudi cells on Shi-fix coverslips stained with the chimeric rabbit IgG version CAT-13.9C1 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-CD23 antibody	Recombinant monoclonal antibody to CD23. Recombinant Platform with variable regions (i.e. specificity) from the hybridoma CAT-13.9C1. Martin Hadam, Hannover This antibody was raised by immunising mice with with an EBV-transformed human B cell line from a patient with MHC class II deficiency re-expressing class II antigens.
Product Categories/Family for anti-CD23 antibody	B cell; lymphoma; cancer; immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	119862
NCBI GeneID	2208
UniProt Accession #	P06734
Molecular Weight	321
NCBI Official Full Name	Low affinity immunoglobulin epsilon Fc receptor
NCBI Official Synonym Full Names	Fc fragment of IgE, low affinity II, receptor for (CD23)
NCBI Official Symbol	FCER2
NCBI Official Synonym Symbols	CD23; FCE2; CD23A; IGEBF; CLEC4J; BLAST-2
NCBI Protein Information	low affinity immunoglobulin epsilon Fc receptor; CD23 antigen; fc-epsilon-RII; lymphocyte IgE receptor; immunoglobulin E-binding factor; C-type lectin domain family 4, member J
UniProt Protein Name	Low affinity immunoglobulin epsilon Fc receptor
UniProt Gene Name	FCER2
UniProt Synonym Gene Names	CD23A; CLEC4J; FCE2; IGEBF
UniProt Entry Name	FCER2_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.

