

Mouse anti-Human CD52 Antibody | anti-CD52 antibody

Anti-CD52 [CF1D12], Mouse IgG3

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72242	Mouse	Human	Flow Cytometry, Functional Assay

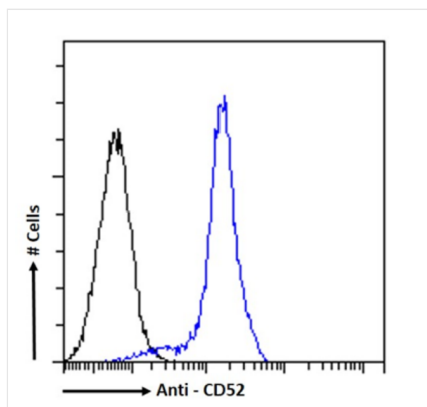
PRODUCT SYNONYMS

CD52; Anti-CD52 [CF1D12]; Mouse IgG3; CDw52; Cambridge pathology 1 antigen; Epididymal secretory protein E5; Human epididymis-specific protein 5; anti-CD52 antibody

PRODUCT SPECIFICATIONS

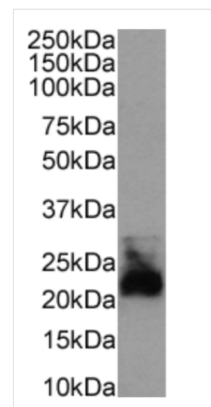
Host	Mouse
Reactivity	Human
Isotype	Mouse IgG3, Kappa
Clone Number	CF1D12
Specificity	This antibody binds to human CD52.
Purity/Purification	Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CD52 antibody	FCM/FACS (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.

IMAGES



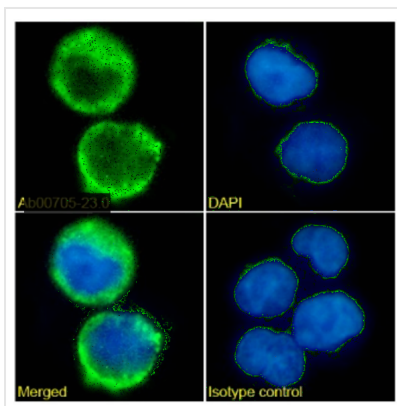
FCM/FACS (Flow Cytometry)

Flow cytometry using the Anti-CD52 antibody CF1D12 (AAA72242). Paraformaldehyde fixed Daudi cells permeabilized with 0.5% Triton were stained with anti-unknown specificity antibody or the rabbit IgG version of CF1D12 (AAA72242-23.0, 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.



WB (Western Blot)

Western Blot using CD52 antibody CF1D12 (AAA72242). Human spleen tissue lysate (35ug protein in RIPA buffer) were resolved on a SDS PAGE gel and blots were probed with the chimeric rabbit version of CF1D12 (AAA72242-23.0) 0.1ug/ml before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.



IF (Immunofluorescence)

Immunofluorescence staining of Daudi cells with anti-CD52 (AAA72242) CF1D12
 Immunofluorescence analysis of paraformaldehyde fixed Daudi cells on Shi-fix coverslips stained with the chimeric rabbit IgG version of CF1D12 (AAA72242-23.0) at 10 ug/ml for 1h followed by Alexa Fluor 488 secondary antibody (2 ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom AAA72242-23.0, 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

Product Categories/Family for anti-CD52 antibody	immunology
References	Yeung et al. Changes of the major sperm maturation-associated epididymal protein HE5 (CD52) on human ejaculated spermatozoa during incubation. Mol Hum Reprod. 2001 Jul;7(7):617-24. PMID:11420384

NCBI AND UNIPROT INFORMATION

NCBI GI #	399214
NCBI GeneID	1043
UniProt Accession #	P31358; Q5T138; Q9BW46
Molecular Weight	6,614 Da
NCBI Official Full Name	CAMPATH-1 antigen
NCBI Official Synonym Full Names	CD52 molecule
NCBI Official Symbol	CD52
NCBI Official Synonym Symbols	CDW52; EDDM5
NCBI Protein Information	CAMPATH-1 antigen
UniProt Protein Name	CAMPATH-1 antigen
UniProt Gene Name	CD52
UniProt Synonym Gene Names	CDW52; HE5; He5

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.