

Rabbit anti-Human CD52 Antibody | anti-CD52 antibody

Anti-CD52 [HI186], Rabbit IgG

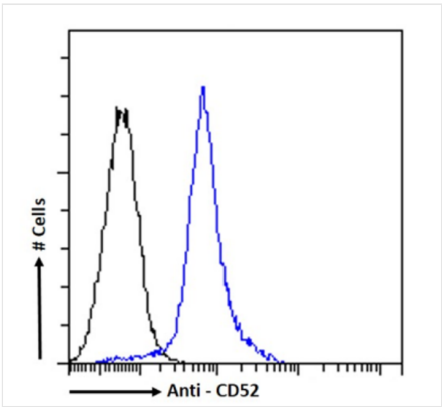
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72243	Rabbit	Human	Immunohistochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

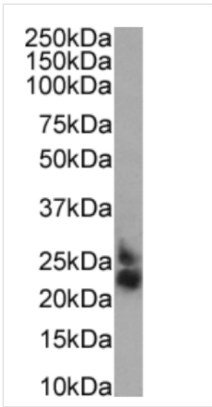
CD52; Anti-CD52 [HI186]; Rabbit IgG; CDw52; Cambridge pathology 1 antigen; Epididymal secretory protein E5; Human epididymis-specific protein 5; anti-CD52 antibody

PRODUCT SPECIFICATIONS

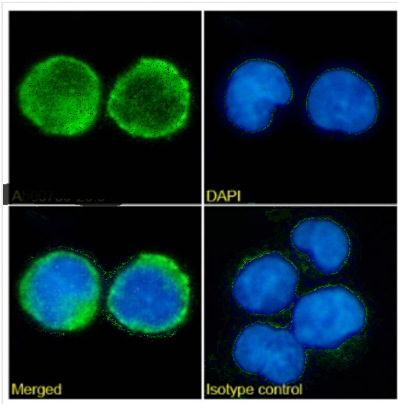
Host	Rabbit
Reactivity	Human
Isotype	Rabbit IgG, Kappa
Clone Number	HI186
Specificity	This antibody binds to human CD52.
Purity/Purification	Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CD52 antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Immunogen	Human tonsil cells.
Chimeric Use Statement	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG2b format, for improved compatibility with existing reagents, assays and techniques.
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-CD52 antibody HI186 (AAA72243). Paraformaldehyde fixed Daudi cells permeabilized with 0.5% Triton were stained with anti-unknown specificity antibody or the rabbit IgG version of HI186 (AAA72243-23.0, 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 Anti-CD52 antibody HI186 (AAA72243). 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 HI186 (AAA72243-23.0) 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 (AAA72243) HI186
Immunofluorescence analysis of paraformaldehyde fixed Daudi cells on Shi-fix coverslips stained with the chimeric rabbit IgG version of HI186 (AAA72243-23.0) 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 AAA72243-23.0, 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	Rodig et al. Heterogeneous CD52 Expression among Hematologic Neoplasms: Implications for the Use of Alemtuzumab (CAMPATH-1H). Clin Cancer Res. 2006 Dec 1;12(23):7174-9. PMID:17145843

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/rabbit-human-antibody/cd52/72243>