

Rat CD52 Antibody | anti-CD52 antibody

Anti-CD52 [Campath-1H], Rat IgG2b

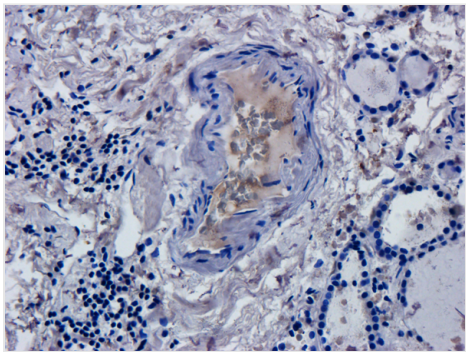
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA14187	Rat	Human, Rhesus Monkey, Cynomolgus Monkey	Cytotoxicity Assay, ELISA, Immunohistochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

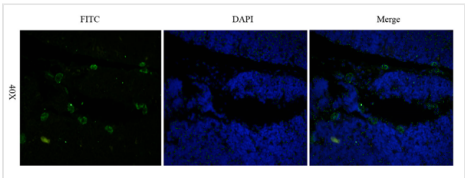
CD52; Anti-CD52 [Campath-1H]; Rat IgG2b; CDW52; Cambridge pathology 1 antigen; Epididymal secretory protein E5; Human epididymis-specific protein 5; YTH66.9HL; Alemtuzumab; anti-CD52 antibody

PRODUCT SPECIFICATIONS

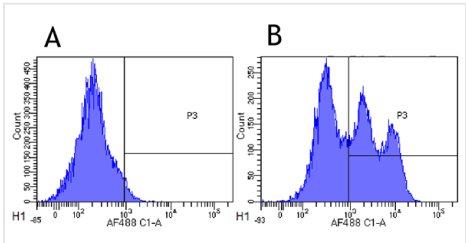
Host	Rat
Reactivity	Human, Rhesus Monkey, Cynomolgus Monkey
Isotype	Rat IgG2b, Kappa
Clone Number	Campath-1H
Specificity	Human CD52 antigen, also known as CAMPATH-1. CD52 is expressed at high density by lymphocytes, monocytes, eosinophils, thymocytes and macrophages. It is expressed by most lymphoid derived malignancies, although expression on myeloma cells is variable.
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	CA (Cytotoxic Assay), ELISA, IHC (Immunohistochemistry), IHC (Immunohistochemistry), Invivo Assay, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	Human lymphocytes.
Origin Pub PMID	10366506
Chimeric Use Statement	This is a research-grade biosimilar. This is a chimeric antibody created 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.



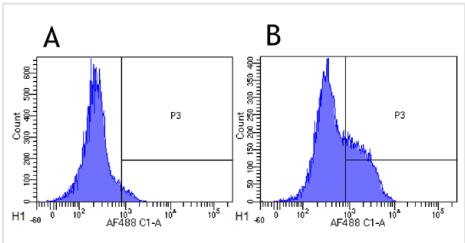
IHC (Immunohistochemistry)
Immunohistochemical staining of human thyroid cancer using anti-CD52 antibody AAA14187. Formalin fixed human thyroid cancer slices were stained with a AAA14187-10.0 at 5 ug/ml.



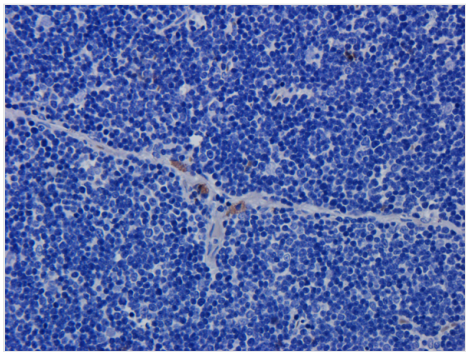
IF (Immunofluorescence)
Immunofluorescent staining of rat thymus using anti-CD52 antibody AAA14187. Formaldehyde-fixed rat thymus slices were stained with AAA14187-10.0 at 5 ug/ml and detected with a FITC-conjugated secondary antibody. AAA14187 shows cross-reactivity with rat.



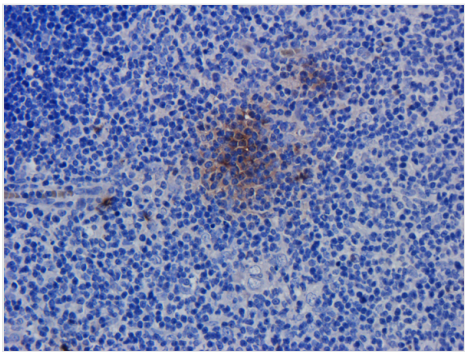
FCM (Flow Cytometry)
Flow-cytometry using anti-CD52 antibody Campath-1H (AAA14187). Cynomolgus monkey lymphocytes were stained with an isotype control or the rabbit-chimeric version of Campath-1H at a concentration of 1 ug/ml for 30 mins at RT. After washing, bound antibody was detected using a AF488 conjugated donkey anti-rabbit antibody (ab150073) and cells analysed on a FACSCanto flow-cytometer.



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Flow-cytometry using anti-CD52 antibody Campath-1H (AAA14187). Rhesus monkey lymphocytes were stained with an isotype control or the rabbit-chimeric version of Campath-1H at a concentration of 1 ug/ml for 30 mins at RT. After washing, bound antibody was detected using a AF488 conjugated donkey anti-rabbit antibody (ab150073) and cells analysed on a FACSCanto flow-cytometer.



IHC (Immunohistochemistry)
Immunohistochemical staining of rat thymus tissue using anti-CD52 antibody (AAA14187) Campath-1H. Anti-CD52 staining of formaldehyde fixed paraffin embedded rat thymus tissue, at 40x magnification. The human IgG1-chimeric version of Campath-1H (AAA14187-10.0) was used to stain samples at a concentration of 5 ug/ml.



IHC (Immunohistochemistry)
Immunohistochemical staining of rat spleen tissue using anti-CD52 antibody (AAA14187) Campath-1H. Anti-CD52 staining of formaldehyde fixed paraffin embedded rat spleen tissue, at 40x magnification. The human IgG1-chimeric version of Campath-1H (AAA14187-10.0) was used to stain samples at a concentration of 5 ug/ml.

ADDITIONAL INFORMATION

Product Categories/Family for anti-CD52 antibody	biosimilar; biotherapeuticresearch
References	Riechmann L, Clark M, Waldmann H, Winter G. Reshaping human antibodies for therapy. Nature. 1988 Mar 24;332(6162):323-7. PMID:3127726

NCBI AND UNIPROT INFORMATION

NCBI GI #	399214
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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.

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Online datasheet: <https://stage.aaabiotech.com/rat-cynomolgus-monkey-human-monkey-rhesus-monkey-antibody/cd52/14187>