

CD52 recombinant antibody

Anti-CD52 [Campath-1H]

CATALOG # AAA71929	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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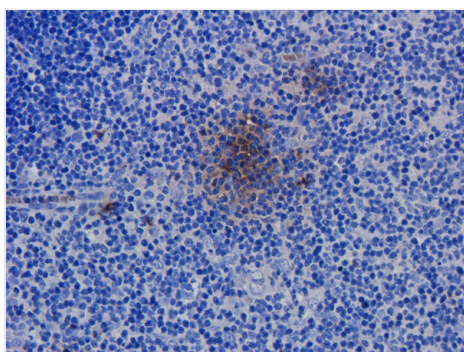
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

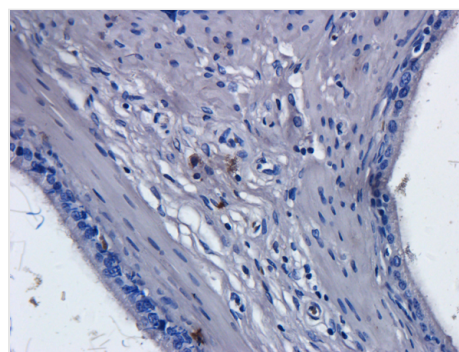
Reactivity	Human
Isotype	Human IgG1, kappa
Specificity	Human CD52 antigen, also known as CAMPATH-1. CD52 is expressed at high density by lymphocytes, monocytes, eosinophils, thymocytes and macrophages. It is expressed by most lymphoid derived malignancies, although expression on myeloma cells is variable.
Purity/Purification	Protein A Affinity Purified
Sequence Length	61
Applicable Applications for CD52 recombinant antibody	FCM/FACS (Flow Cytometry)
Buffer Composition	PBS only with 0.02% Proclin 300.
Immunogen	Human lymphocytes.
Chimeric Use Statement	NOT FOR THERAPEUTIC USE - This is a research-grade biosimilar.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



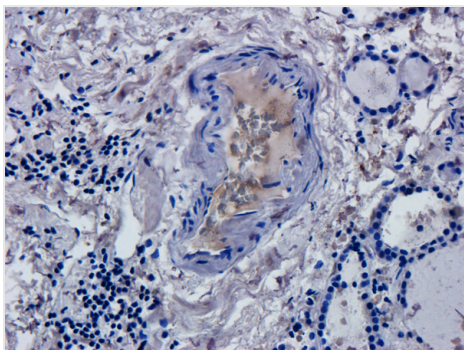
IHC (Immunohistochemistry)

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

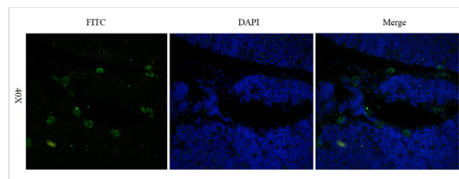


IHC (Immunohistochemistry)

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



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



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

ADDITIONAL INFORMATION

Related Product Information for CD52 recombinant antibody	Recombinant monoclonal antibody to CD52. Manufactured using a Recombinant Platform with variable regions (i.e. specificity) from the therapeutic antibody Campath-1H. NOT FOR THERAPEUTIC USE - This is a research-grade biosimilar.
Product Categories/Family for CD52 recombinant antibody	Biosimilar ; Biotherapeutic research
References	Riechmann L, Clark M, Waldmann H, Winter G. Reshaping human antibodies for therapy. Nature. 1988 Mar 24; 332(6162):323-7.

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
NCBI Protein Information	CAMPATH-1 antigen
UniProt Protein Name	CAMPATH-1 antigen
UniProt Gene Name	CD52
UniProt Synonym Gene Names	CDW52; HE5; He5
UniProt Entry Name	CD52_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/human-recombinant-antibody/cd52/71929>