

Rat CD52 Monoclonal Antibody | anti-CD52 antibody

RAT ANTI HUMAN CD52:Low Endotoxin

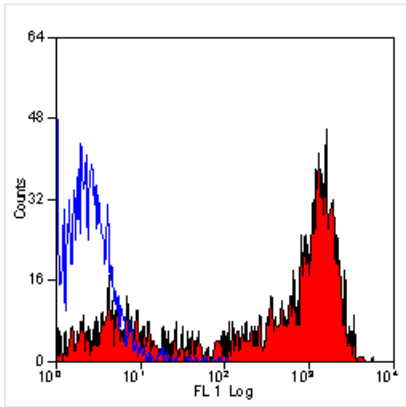
CATALOG #	HOST	APPLICATIONS
AAA49591	Rat	Western Blot, Immunohistochemistry, Immunohistochemistry, Immunoprecipitation, Flow Cytometry, Functional Assay, ELISA, Cytotoxicity Assay, Immunohistochemistry

PRODUCT SYNONYMS

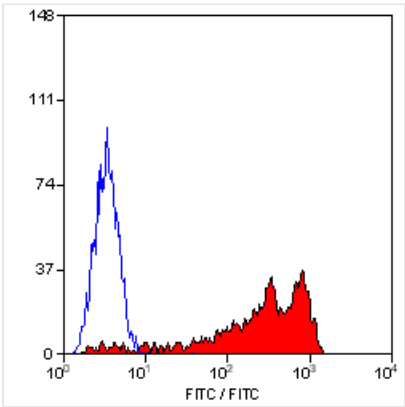
CD52; Monoclonal Antibody; RAT ANTI HUMAN CD52:Low Endotoxin; anti-CD52 antibody

PRODUCT SPECIFICATIONS

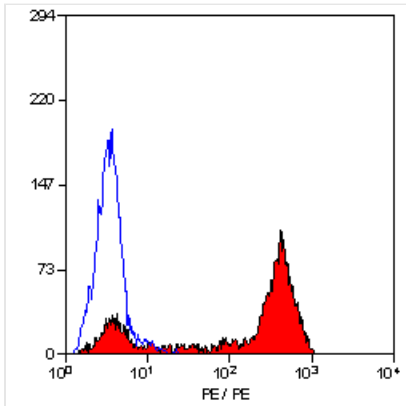
Host	Rat
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	YTH34.5
Form/Format	Low Endotoxin Purified IgG - liquid
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	61
Applicable Applications for anti-CD52 antibody	WB (Western Blot), IHC (Immunohistochemistry), IHC (Immunohistochemistry), IP (Immunoprecipitation), FCM/FACS (Flow Cytometry), ELISA, CA (Cytotoxic Assay), IHC (Immunohistochemistry)
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Histology Positive Control Tissue	Tonsil Buffer Solution
Target Species	Human
Preparation and Storage	Store at -20 degree C only. This product should be stored undiluted. Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.



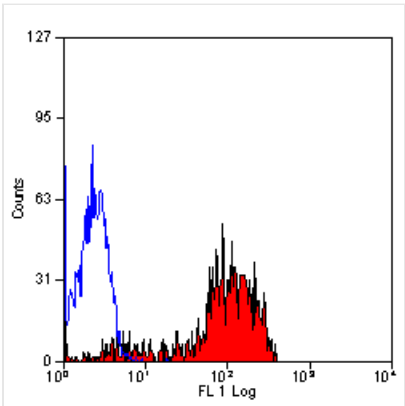
Application Data
Staining of human peripheral blood lymphocytes with Rat anti Human CD52: Alexa Fluor 647



Application Data
Staining of human peripheral blood lymphocytes with Rat anti Human CD52: FITC



Application Data
Staining of human peripheral blood lymphocytes with Rat anti Human CD52: RPE



Application Data
Staining of human peripheral blood lymphocytes with Rat anti Human CD52: Low Endotoxin

ADDITIONAL INFORMATION

Related Product Information for anti-CD52 antibody	Rat anti Human CD52 antibody, clone YTH34.5 reacts with the human CD52 antigen, also known as CAMPATH-1. The CD52 antigen is a remarkably small but heavily glycosylated peptide attached to the cell surface membrane via a GPI link (Xia et al. 1991). The apparent molecular mass of the native antigen on SDS-PAGE is 25-29kDa, considerably reduced following N-glycanase treatment (Rowan et al. 1998). 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. Humanised versions of CAMPATH-1 specific antibodies are currently in clinical trials for the treatment of a range of lymphoid malignancies (Dearden et al. 2002; Pettitt et al. 2012).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	68342030
NCBI GeneID	1043
NCBI Accession #	NP_001794.2
NCBI GenBank Nucleotide #	NM_001803.2
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; CD52 antigen (CAMPATH-1 antigen); CDW52 antigen (CAMPATH-1 antigen); HEL-S-171mP; cambridge pathology 1 antigen; epididymal secretory protein E5; epididymis secretory sperm binding protein Li 171mP; he5; human epididymis-specific protein 5
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd52-antibody-clone-yth34-5-western-blot-immunohistochemistry-immunohistochemistry-immunoprecipitation-flow-cytometry-cytotoxic-assay-immunohistochemistry-elisa/49591>