

Rat CD52 Monoclonal Antibody | anti-CD52 antibody

RAT ANTI HUMAN CD52:RPE

CATALOG # AAA49593	HOST Rat	APPLICATIONS Flow Cytometry, Functional Assay
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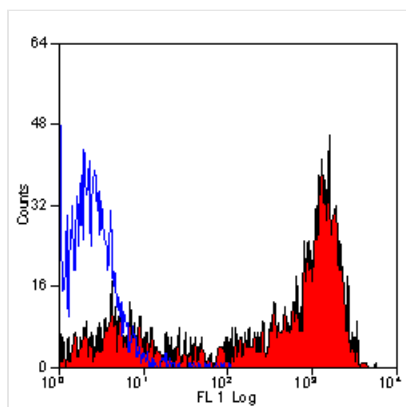
PRODUCT SYNONYMS

CD52; Monoclonal Antibody; RAT ANTI HUMAN CD52:RPE; anti-CD52 antibody

PRODUCT SPECIFICATIONS

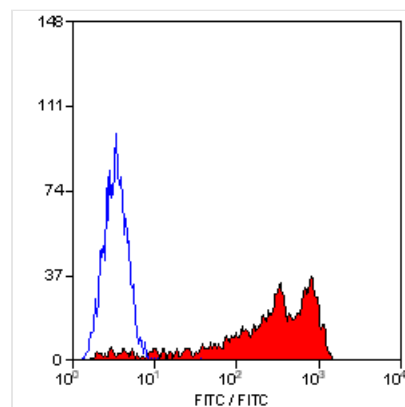
Host	Rat
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	YTH34.5
Form/Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised
Sequence Length	61
Applicable Applications for anti-CD52 antibody	FCM/FACS (Flow Cytometry)
Reconstitution	Reconstitute with 1 ml distilled water Perservative Stabilisers
Buffer Solution	Phosphate buffered saline
Target Species	Human
Preparation and Storage	Prior to reconstitution store at 4 degree C. Following reconstitution store at 4 degree C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 12 months from date of reconstitution.

IMAGES



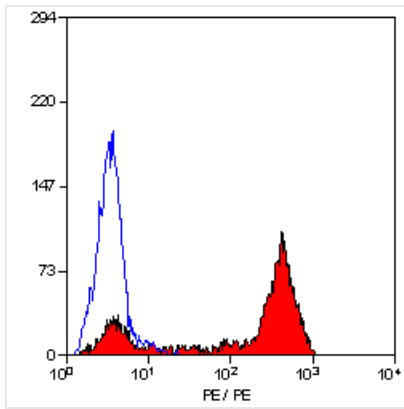
Application Data

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

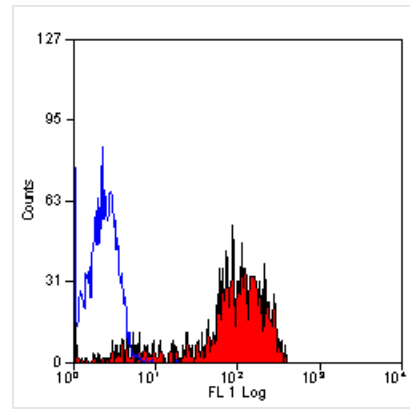


Application Data

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).

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.

