

Rat anti-Human CD45 Monoclonal Antibody | anti-CD45 antibody

Rat Anti Human CD45: FITC

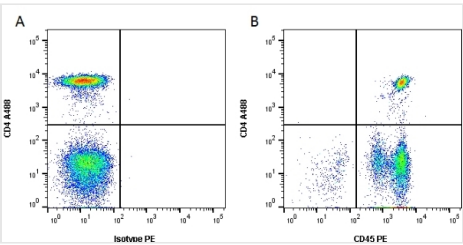
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50349	Rat	Human	Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD45; Monoclonal Antibody; Rat Anti Human CD45: FITC; CD45 antibody (YTH24.5); Rat anti Human CD45; anti-CD45 antibody

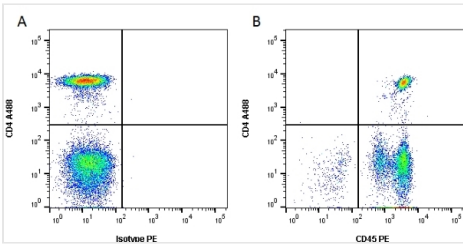
PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	YTH24.5
Purity/Purification	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Form/Format	Liquid; Phosphate Buffered Saline
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	1306
Applicable Applications for anti-CD45 antibody	FCM/FACS (Flow Cytometry)
Immunogen	Human T lymphocytes.
Conjugation	FITC
Carrier Free	Yes
Fusion Partners	Spleen cells from an immunised DA rat were fused with cells of the rat Y3/Ag1.2.3 myeloma cell line.
Preservative Stabilizers	0.09% Sodium Azide
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.



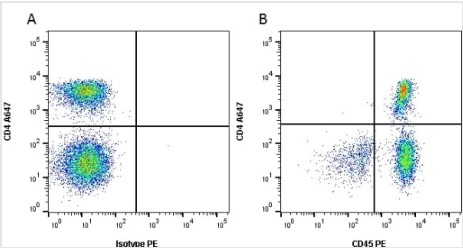
Application Data

Figure A. Alexa Fluor 488 conjugated Mouse anti Human CD4 and Rat IgG2b isotype control detected with Goat F(ab')2 anti Rat IgG:RPE . Figure B. Alexa Fluor 488 conjugated Mouse anti Human CD4 and Rat anti Human CD45 detected with Goat F(ab')2 anti Rat IgG:PE . All experiments performed on human peripheral blood gated on live single cell lymphocytes in the presence of 10% human serum. Data acquired on the ZE5 Cell Analyzer



Application Data

Figure A. Alexa Fluor 647 conjugated Mouse anti Human CD4 and Rat IgG2b isotype control detected with Goat F(ab')2 anti Rat IgG:FITC . Figure B. Alexa Fluor 647 conjugated Mouse anti Human CD4 and Rat anti Human CD45 detected with Goat F(ab')2 anti Rat IgG:FITC . All experiments performed on human peripheral blood gated on live single cell lymphocytes in the presence of 10% Human serum. Data acquired on the ZE5 Cell Analyzer



Application Data

Figure A. Alexa Fluor 647 conjugated Mouse anti Human CD4 and RPE conjugated Rat IgG2b isotype control . Figure B. Alexa Fluor 647 conjugated Mouse anti Human CD4 and RPE conjugated Mouse anti Human CD45 . All experiments performed on red cell lysed human blood gated on lymphocytes in the presence of Human Seroblock (BUF070A). Data acquired on the ZE5 cell analyzer.

ADDITIONAL INFORMATION

Related Product Information for anti-CD45 antibody	Rat anti Human CD45 antibody, clone YTH24.5 recognizes the human leukocyte common antigen CD45, expressed on all cells of haematopoietic origin except for erythrocytes.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	392307007
NCBI GeneID	5788
NCBI Accession #	NP_002829.3
NCBI GenBank Nucleotide #	NM_002838.5
UniProt Accession #	P08575
NCBI Official Full Name	receptor-type tyrosine-protein phosphatase C isoform 1
NCBI Official Synonym Full Names	protein tyrosine phosphatase receptor type C
NCBI Official Symbol	PTPRC
NCBI Official Synonym Symbols	LCA; LY5; B220; CD45; L-CA; T200; CD45R; GP180
NCBI Protein Information	receptor-type tyrosine-protein phosphatase C
UniProt Protein Name	Receptor-type tyrosine-protein phosphatase C
UniProt Gene Name	PTPRC
UniProt Synonym Gene Names	CD45; L-CA
UniProt Entry Name	PTPRC_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/monoclonal/cd45-antibody-clone-yth24-5-flow-cytometry-elisa/50349>