

Rat CD45 Monoclonal Antibody | anti-CD45 antibody

RAT ANTI DOG CD45:FITC

CATALOG # AAA49557	HOST Rat	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD45; Monoclonal Antibody; RAT ANTI DOG CD45:FITC; anti-CD45 antibody

PRODUCT SPECIFICATIONS

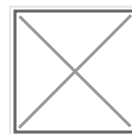
Host	Rat
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	YKIX716.13
Form/Format	FITC Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid
Concentration	IgG concentration 0.1 mg/ml (varies by lot)
Sequence Length	72
Applicable Applications for anti-CD45 antibody	FCM/FACS (Flow Cytometry)
Perservative Stabilisers	0.09% Sodium Azide 1% Bovine Serum Albumin Preparation
Buffer Solution	Phosphate buffered saline
Target Species	Dog
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. This product should be stored undiluted. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light. 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.

IMAGES



Application Data

Published customer image: Flow cytometric analyses of optimized platelet samples after density barrier centrifugation. (A) Log forward and side scatter chart of platelet population (gated) with minimal contaminating cells. (B) Fluorescence chart of CD45 (FL2) and CD61 (FL1) antibody-labeled samples. Average CD61+: 99.47%±0.21% (n=73). Average CD45+: 0.19%±0.04% (n=73). (C) LeucoCOUNT chart for sample showing residual leukocytes (left gate) and LeucoCOUNT beads (right gate). From: Trichler SA, Bulla SC, Thomason J, Lunsford KV, Bulla C. Ultra-pure platelet isolation from canine whole blood. BMC Vet Res. 2013 Jul 17;9:144.



Application Data

Staining of canine peripheral blood lymphocytes with Rat anti Canine CD45:Alexa Fluor488



Application Data

Staining of canine peripheral blood lymphocytes with Rat anti Canine CD45:FITC



Application Data

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ADDITIONAL INFORMATION

Related Product Information for anti-CD45 antibody

Rat anti Dog CD45 antibody, clone YKIX716.13 recognizes canine CD45 also known as leukocyte common antigen clustered as Canine CD45 in the First Canine Leukocyte Antigen Workshop (CLAW). Clone YKIX 716.13: immunoprecipitates an antigen of 180/200kD from Con-A blasts (Cobbold et al. 1994). CD45 is expressed on all leukocytes in canine peripheral blood. Rat anti Dog CD45 antibody, clone YKIX716.13 reacts with CD45 on all outbred mongrels and beagles tested and may be against CD45RB isoform.

NCBI AND UNIPROT INFORMATION

NCBI GI #	44242008
NCBI GeneID	5788
Molecular Weight	130,898 Da
NCBI Official Full Name	CD45, partial
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; CD45 antigen; T200 glycoprotein; T200 leukocyte common antigen; protein tyrosine phosphatase, receptor type, c polypeptide
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-ykix716-13-flow-cytometry-elisa/49557>