

Rat CD5 Monoclonal Antibody | anti-CD5 antibody

RAT ANTI DOG CD5:RPE

CATALOG # AAA49554	HOST Rat	APPLICATIONS Flow Cytometry, Functional Assay
------------------------------	--------------------	---

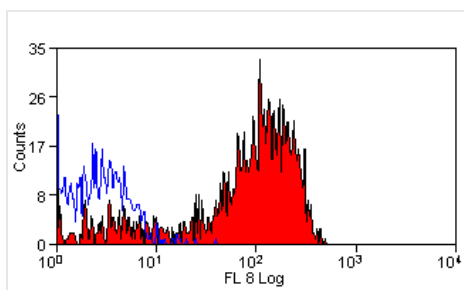
PRODUCT SYNONYMS

CD5; Monoclonal Antibody; RAT ANTI DOG CD5:RPE; anti-CD5 antibody

PRODUCT SPECIFICATIONS

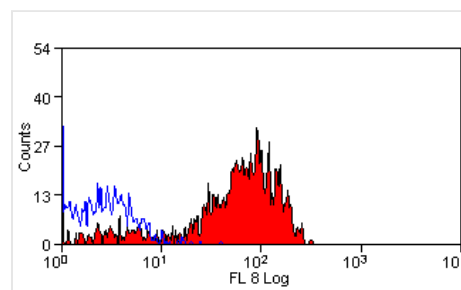
Host	Rat
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	YKIX322.3
Form/Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised
Concentration	IgG concentration 0.1 mg/ml (varies by lot)
Sequence Length	463
Applicable Applications for anti-CD5 antibody	FCM/FACS (Flow Cytometry)
Reconstitution	Reconstitute with 1.0 ml distilled water Perservative Stabilisers
Buffer Solution	Phosphate buffered saline
Target Species	Dog
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



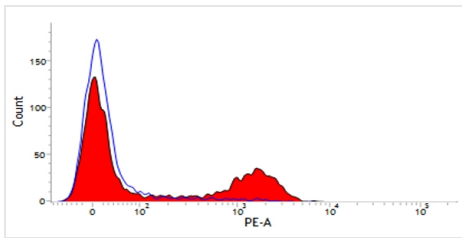
Application Data

Staining of dog peripheral lymphocytes with Rat anti Dog CD5:APC



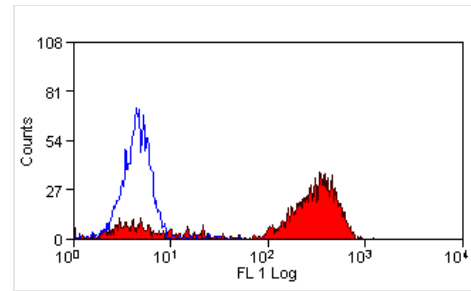
Application Data

Staining of dog peripheral lymphocytes with Rat anti Dog CD5:Alexa Fluor647



Application Data

Staining of dog peripheral lymphocytes with Rat anti Dog CD5 followed by Goat F(ab')₂ anti Rat IgG:FITC



Application Data

Staining of dog peripheral lymphocytes with Rat anti Dog CD5:Alexa Fluor488

ADDITIONAL INFORMATION

Related Product Information for anti-CD5 antibody

Rat anti Dog CD5 antibody, clone YKIX322.3 recognizes canine CD5, a 67 kDa cell surface type 1 transmembrane glycoprotein also known as lymphocyte antigen T1, Ly-1 or Leu-1. CD5 is expressed on the surface of T-cells and thymocytes, CD5 is also expressed by NK cells at low levels (Huang et al. 2008). Rat anti dog CD5, clone YKIX322.3 was clustered as canine CD5 in the First Canine Leucocyte Antigen Workshop (Cobbold et al. 1994). In a study of 73 cases of canine chronic lymphocytic leukemia (CLL) CD5 expression was absent on all cases of B-cell CLL as defined by CD21 expression and lack of CD3 or other T cell antigen expression (Vernau and Moore 1999). Rat anti dog CD5 serves as a useful marker for the discrimination of canine leukemias of differing origins (Villiers 2002).

NCBI AND UNIPROT INFORMATION

NCBI GI #	374720857
Molecular Weight	51,130 Da
NCBI Official Full Name	CD5 molecule, partial
UniProt Protein Name	CD5 molecule
UniProt Gene Name	CD5
UniProt Entry Name	H6D9Y3_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/cd5-antibody-clone-ykix322-3-flow-cytometry-elisa/49554>