

Anti-Thy-1 [YKIX 337.217] Standard Size Ab00595-201.4

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric dog antibody was made using the variable domain sequences of the original Rat IgG2b format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Dog IgG2 (IgG-B), Fc Silent™, Kappa

Clone Number: YKIX 337.217

Alternative Name(s) of Target: CD90; Thy1

UniProt Accession Number of Target Protein: Q9XT67

Published Application(s): Depletion, IP, FC

Published Species Reactivity: Dog

Immunogen: YKIX 337.217 was prepared by immunizing rats with Con A stimulated canine T cells.

Specificity: YKIX 337.217 recognises Thy1 cell surface antigen which is a cell adhesion molecule expressed on thymocytes, peripheral T cells, some B cells, monocytes, and granulocytes. This protein is also expressed on cells in the bone marrow, brain, and kidney, as well as on mesenchymal stem cells.

Application Notes: YKIX 337.217 can be used as a marker for canine T-cells in peripheral blood (note that it has been shown that there is high expression on monocytes, and a weaker expression on granulocytes). The antibody also leads to depletion of circulating T cells (PMID: 8252344). This antibody can also be used for IP studies.

Antibody First Published in: Cobbold et al. Monoclonal antibodies that define canine homologues of human CD antigens: summary of the First International Canine Leukocyte Antigen Workshop (CLAW). Tissue Antigens. 1994 Mar;43(3):137-54. [PMID:8091414](#)

Note on publication: Describes the binding specificity and characterisation (by IF staining and FACS, and IP) of antibodies against canine equivalents of human CD antigens.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -

20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.