

Anti-Thy-1 [YKIX 337.217] Standard Size Ab00595-201.1

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), 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.