

## Anti-Thy-1 [YKIX 337.217] Standard Size Ab00595-8.4

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

**Isotype and Format:** Rat IgG2b, 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.