

## Anti-CD4 [YKIX302.9] Standard Size Ab00594-23.0

This chimeric rabbit antibody was made using the variable domain sequences of the original Rat IgG2a format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Rabbit IgG, Kappa

**Clone Number:** YKIX302.9

**Alternative Name(s) of Target:** Leu3/T4; T-cell surface antigen T4/Leu-3; T-cell surface glycoprotein CD4

**UniProt Accession Number of Target Protein:** P33705

**Published Application(s):** FC, IHC, IHC-Fr

**Published Species Reactivity:** Dog

**Immunogen:** This antibody was prepared by immunizing rats with concanavilin A activated T-cell blasts

**Specificity:** This antibody is specific for the canine CD4 cell surface antigen, which, in contrast to other mammals, is expressed by neutrophils as well as lymphocyte subsets.

**Application Notes:** This antibody recognizes canine CD4, which binds MHC II, and has been shown to block MHC II-dependent T cell responses in vivo and in vitro. In a canine transplant model, administration of this antibody has been demonstrated to partially deplete circulating T lymphocytes, but alone was not sufficient to prolong allograft survival (Watson, 1993). This antibody is one of a panel of anti-canine monoclonal antibodies can be used in the evaluation of leukemic status in dogs. This antibody has been used in IF and IP analysis to identify the canine homologue of human CD4 (Cobbold, 1994).

**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:8091415](#)

**Note on publication:** Describes the identification and characterisation of a panel of monoclonal antibodies that define canine homologues 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.