

Anti-CD8A [YCATE55.9] Standard Size Ab00601-6.1

Isotype and Format: Rat IgG1, Kappa

Clone Number: YCATE55.9

Alternative Name(s) of Target: LEU2; T-cell surface glycoprotein CD8 alpha chain; CD8a

UniProt Accession Number of Target Protein: P33706

Published Application(s): Blocking, cell-mediated lympholysis assays., fixed lymphocyte reaction (MLR), FC, IF, IHC-Fr

Published Species Reactivity: Dog

Immunogen: This antibody was prepared by immunizing rats with canine leucocytes, thymocytes or concanavalin A-activated lymphoblasts.

Specificity: This antibody is specific for the alpha chain of canine CD8, and reacts with a rat cell line transfected with cDNA for canine CD8 α (Gorman, 1994)

Application Notes: This antibody recognizes canine CD8 α , and has been used in in IF and IHC studies to establish that CD8 expression is confined to a minority population of T cells, as is the case for other species (Cobbold, 1994). In a canine transplant model, administration of this antibody, in combination with another anti-CD8 antibody (YCATE60.3.9) causes a 90 per cent depletion of CD8+ T cells from the peripheral blood, but does not result in prolonged allograft survival (Watson, 1993). However, the administration of this antibody in combination with an anti-CD4 antibody is associated with an immunosuppressive effect, and an extended median graft survival time. This antibody blocks MHC class I dependant T-cell responses in vitro and in vivo.

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 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.