

## Anti-CD45R [YKIX 753.22.2 ] Standard Size Ab00598-201.4

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 753.22.2

**Alternative Name(s) of Target:** CTPRC; D45 R; L-CA; Leukocyte common antigen; T200; B220; GP180; LCA; LY5; Ly-5; protein tyrosine phosphatase; receptor type C

**UniProt Accession Number of Target Protein:**

**Published Application(s):** Depletion, IP, FC

**Published Species Reactivity:** Dog

**Immunogen:** YKIX 753.22.2 was prepared by immunizing DA rats with canine thymocytes.

**Specificity:** YKIX 753.22 binds specifically to CD45R. CD45R is an isoform of CD45 derived from alternative splicing from a single gene, and is expressed on B cells and peripheral T cells. When used in conjunction with YKIX 716.13, this antibody has been reported to promote cell depletion via antibody-dependent cell-mediated cytotoxicity.

**Application Notes:** YKIX 753.22.2 can be used for FC and IP. It can also be used in conjunction with YKIX 716.13 to promote cell depletion via antibody-dependent cell-mediated cytotoxicity.

**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.