

## Anti-CD45R [YKIX 753.22.2 ] Standard Size Ab00598-8.4

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 753.22.2

**Alternative Name(s) of Target:** CPTPRC; 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.