

## Anti-CD45RA or A/B [OX-30] Standard Size Ab00576-8.4

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

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

**Isotype and Format:** Rat IgG2b, Fc Silent™, Kappa

**Clone Number:** OX-30

**Alternative Name(s) of Target:** PTPRC; B220; CD45; CD45 R; GP180; L-CA; LCA; LY5; T200; protein tyrosine phosphatase; receptor type C; Receptor-type tyrosine-protein phosphatase C

**UniProt Accession Number of Target Protein:** P04157

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

**Published Species Reactivity:** Rat

**Immunogen:** This antibody was prepared by immunizing BALB/c mice with rat lymph node glycoproteins.

**Specificity:** This antibody recognizes all molecular forms of rat L-CA, and is noncompetitive with OX-1, 28 and 29 in binding to L-CA. While purified L-CA inhibited binding of this antibody to lymph node cells, no such inhibition of binding was seen with reduced and alkylated L-CA.

**Application Notes:** This antibody binds all molecular forms of rat L-CA, and consequently can be used to label thymocytes, T cells, B cells and most bone marrow cells (Woollett, 1985).

**Antibody First Published in:** Woollett et al. Molecular and antigenic heterogeneity of the rat leukocyte-common antigen from thymocytes and T and B lymphocytes. Eur J Immunol. 1985 Feb;15(2):168-73.

[PMID:2578966](#)

**Note on publication:** Describes the original use of this antibody in FC and blocking analysis to assess the molecular and antigenic heterogeneity of rat L-CA.

## 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.