

CD45RA or A/B Recombinant Antibody | CD45RA recombinant antibody

Anti-CD45RA or A/B [OX-30], Mouse IgG2a, kappa

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72474	Mouse	Rat	Immunohistochemistry, Flow Cytometry, Functional Assay

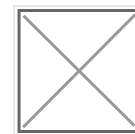
PRODUCT SYNONYMS

CD45RA or A/B; Monoclonal Recombinant Antibody; Anti-CD45RA or A/B [OX-30]; Mouse IgG2a; kappa; PTPRC; B220; CD45; CD45 R; GP180; L-CA; LCA; LY5; T200; protein tyrosine phosphatase; receptor type C; Receptor-type tyrosine-protein phosphatase C; CD45RA recombinant antibody

PRODUCT SPECIFICATIONS

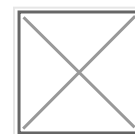
Host	Mouse
Reactivity	Rat
Clonality	Monoclonal
Isotype	Mouse IgG2a kappa
Clone Number	OX-30
Specificity	This antibody recognizes all molecular forms of rat L-CA, and is noncompetitive with OX-1, 28 and 29 in binding to L-CA. While purified L-CA inhibited binding of this antibody to lymph node cells, no such inhibition of binding was seen with reduced and alkylated L-CA.
Purity/Purification	Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for CD45RA recombinant antibody	Blocking, IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



WB (Western Blot)

Western Blot using anti-CD45RA or A/B (Receptor-type tyrosine-protein phosphatase C) antibody OX-30 (AAA72474). Rat thymus lysates (35 µg protein in RIPA buffer) were resolved on a 10% SDS PAGE gel and blotted onto a nitrocellulose membrane. The blot was probed with anti-CD45RA or A/B antibody (AAA72474) at 2 µg/ml before detection using an anti-rabbit secondary antibody. A primary incubation of 1 h was used and protein was detected by chemiluminescence. The expected band size for unmodified CD45RA is ~143.3 kDa, but this protein is also highly glycosylated (UniProt P04637).



FCM/FACS (Flow Cytometry)

Flow-cytometry using anti-CD45RA or A/B (Receptor-type tyrosine-protein phosphatase C isoform) antibody OX-30 (AAA72474). Staining of rat (Rattus norvegicus) lymphocytes with either an isotype control (A) or the anti-CD45RA or A/B antibody (B, AAA72474) at a concentration of 1 µg/ml for 30 mins at RT. After washing, bound antibody was detected using an Alexa Fluor 488 conjugated donkey anti-rabbit antibody (ab150073) and cells analysed on a FACSCanto II.

ADDITIONAL INFORMATION

Related Product Information for CD45RA recombinant antibody	This antibody was prepared by immunizing BALB/c mice with rat lymph node glycoproteins.
References	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. N/A2578966 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	158138490
NCBI GeneID	24699
NCBI Accession #	NP_001103357.1
NCBI GenBank Nucleotide #	NM_001109887.1
UniProt Accession #	P04157
Molecular Weight	134,182 Da
NCBI Official Full Name	receptor-type tyrosine-protein phosphatase C isoform 3
NCBI Official Synonym Full Names	protein tyrosine phosphatase, receptor type, C
NCBI Official Symbol	Ptprc
NCBI Official Synonym Symbols	Lca; RT7; CD45; L-CA; T200
NCBI Protein Information	receptor-type tyrosine-protein phosphatase C; Protein tyrosine phosphatase, receptor-type, c polypeptide; T200 glycoprotein; leucocyte common antigen; leukocyte common antigen A; leukocyte common antigen B
UniProt Protein Name	Receptor-type tyrosine-protein phosphatase C
UniProt Gene Name	Ptprc
UniProt Synonym Gene Names	L-CA
UniProt Entry Name	PTPRC_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd45ra-or-a-b-recombinant-antibody-clone-ox-30-immunohistochemistry-flow-cytometry-elisa/72474>