

Anti-CD45RB [OX-33] Standard Size Ab00555-8.4

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 IgG1 format, for improved compatibility with existing reagents, assays and techniques.

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

Clone Number: OX-33

Alternative Name(s) of Target: L-CA; LCA; OX33; CD45 restricted; MRC OX33; MRC OX-33; CD45 R

UniProt Accession Number of Target Protein: P04157

Published Application(s): ICC, IP, FC, IHC

Published Species Reactivity: Rat

Immunogen: Binds only to high MWT CD45RB. CD45RB is an isoform of CD45 with exon 5 splicing (encodes B determinant).

Specificity: This antibody binds CD45RB and enables B cell (no other lymphoid cells) labelling analyzed by FACS. In addition it can be used for immunofluorescent staining with FC analysis, IP and IHC of acetone-fixed frozen sections and formalin-fixed paraffin-embedded sections.

Application Notes: This antibody can be used for IP, FC, IHC and ICC

Antibody First Published in: Kato et al. CD48 is a counter-receptor for mouse CD2 and is involved in T cell activation. J Exp Med 17:6-49 1992 [PMID:1383383](#)

Note on publication: Describes the use of OX-78 in characterising CD48 as the ligand for CD2 in mice.

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.