

Anti-CD48 [OX-78] Bulk Size Ab00574-7.4-BT

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 IgG2a, Fc Silent™, Kappa

Clone Number: OX-78

Alternative Name(s) of Target: BCM1; BCM1 surface antigen; BLAST1; BLAST-1; HM48-1; MRC OX-45 surface antigen; MRC OX45 surface antigen; OX45 surface antigen; OX-45 surface antigen; SLAM family member 2; sgp60; sgp-60; OX78; MRC OX-78; MRC OX78

UniProt Accession Number of Target Protein: P18181

Published Application(s): IP, Block, FC

Published Species Reactivity: Mouse

Immunogen: OX-78 was prepared by immunising rats against mouse CD48.

Specificity: OX-78 binds specifically to CD48 targets and labels mouse thymocytes, B and T cells and macrophages. CD48 is a CD2 ligand and may be involved in the facilitation of interactions between activated lymphocytes. This protein is also likely to be involved in T cell activation.

Application Notes: This antibody binds CD48, and has been used in immunoprecipitation and blocking studies to identify and characterise CD48, the ligand for murine CD2 (Kato, 1992). This antibody is able to block the binding of a chimeric molecule comprised of the extracellular domain of mouse CD2 and human IgG1 Fc to T cell lines at the ligand site.

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. 1992 Nov 1;176(5):1241-9. [PMID:1383383](#)

Note on publication: Describes the original use of this antibody to isolate the subpopulation of rat CD4+CD8- thymocytes that express L-selectin.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.