# CD48 recombinant antibody

Anti-CD48 [OX-78], Rat IgG2a, kappa

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA72473** | **Rat** | **Mouse** | **Immunoprecipitation, Flow Cytometry, Functional Assay** |

## PRODUCT SYNONYMS

CD48; Monoclonal Recombinant Antibody; Anti-CD48 [OX-78]; Rat IgG2a; kappa; 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; CD48 recombinant antibody

## PRODUCT SPECIFICATIONS

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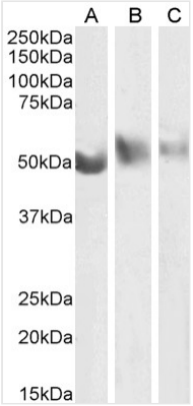
|---|---|
| **Host** | Rat |
| **Reactivity** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype** | Rat IgG2a kappa |
| **Clone Number** | OX-78 |
| **Specificity** | OX-78 binds specifically to CD48 targets and labels mouse thymocytes, B and T cells and macrophages. CD48 is a CD2 ligand and may be involved in the facilitation of interactions between activated lymphocytes. This protein is also likely to be involved in T cell activation. |
| **Purity/Purification** | Protein A affinity purified |
| **Form/Format** | PBS with 0.02% Proclin 300. |
| **Concentration** | 1mg/ml (varies by lot) |
| **Applicable Applications for CD48 recombinant antibody** | Blocking, IP (Immunoprecipitation), 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 Blotusinganti-CD48antibodyOX-78(AAA72473) Mousespleen(A),thymus(B)andlymphnode(C)tissuelysatesamples(35ugproteininRIPAbuffer)wereresolvedona10%SDSPAGEgelandblotsprobedwiththechimericrabbitversionofOX-78(AAA72473)at0.0001ug/mlbeforedetectionusinganti-rabbitsecondaryantibody.Aprimaryincubationof1hwasusedandproteinwasdetectedbychemiluminescence.TheexpectedrunningsizeforCD48is~37-56kDaanditisheavilyglycosylated,aswellaslipidated(UniProtID:P18181).AAA72473successfullydetectedCD48inmousespleen,thymusandlymphnodetissuelysates.

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## ADDITIONAL INFORMATION

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| **Related Product Information for CD48 recombinant antibody** | OX-78 was prepared by immunising rats against mouse CD48. |
| **References** | 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. N/A1383383<br>Note on publication:<br>Describes the original use of this antibody to isolate the subpopulation of rat CD4+CD8- thymocytes that express L-selectin. |

## NCBI AND UNIPROT INFORMATION

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|---|---|
| **NCBI GI #** | 114872 |
| **NCBI GeneID** | 12506 |
| **UniProt Accession #** | P18181; Q545K2 |
| **Molecular Weight** | 27,383 Da |
| **NCBI Official Full Name** | CD48 antigen |
| **NCBI Official Synonym Full Names** | CD48 antigen |
| **NCBI Official Symbol** | Cd48 |
| **NCBI Official Synonym Symbols** | BCM1; BLAST; Bcm-1; BLAST1; SLAMF2; Sgp-60; BLAST-1; MEM-102; AI449234; AW610730 |
| **NCBI Protein Information** | CD48 antigen; HM48-1; BCM1 surface antigen; SLAM family member 2; MRC OX-45 surface antigen; signaling lymphocytic activation molecule 2 |
| **UniProt Protein Name** | CD48 antigen |
| **UniProt Gene Name** | **Cd48** |
| **UniProt Synonym Gene Names** | Bcm-1; SLAMF2 |
| **UniProt Entry Name** | CD48_MOUSE |

**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.