

CD48 recombinant antibody

Anti-CD48 [OX-78], Rabbit IgG, kappa

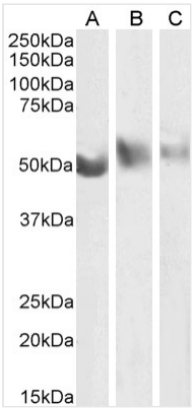
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72472	Rabbit	Mouse	Immunoprecipitation, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD48; Monoclonal Recombinant Antibody; Anti-CD48 [OX-78]; Rabbit IgG; 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

Host	Rabbit
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG 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)
Chimeric Use Statement	This chimeric rabbit antibody was made using the variable domain sequences of the original Rat IgG2a format, for improved compatibility with existing reagents, assays and techniques.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.



WB (Western Blot)
Western Blot using anti-CD48 antibody OX-78 (AAA72472) in mouse spleen (A), thymus (B) and lymph node (C) tissue lysates. Samples (35 µg protein in RIPA buffer) were resolved on a 10% SDS PAGE gel and blots probed with the chimeric rabbit version of OX-78 (AAA72472) at 0.0001 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 running size for CD48 is ~37-56 kDa and it is heavily glycosylated, as well as lipidated (UniProt ID: P18181). AAA72472 successfully detected CD48 in mouse spleen, thymus and lymph node tissue lysates.

ADDITIONAL INFORMATION

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

NCBI AND UNIPROT INFORMATION

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.

