CD48 Antibody – Hamster Monoclonal

PRODUCT OVERVIEW

Product Name	CD48, Monoclonal Antibody
Full Product Name	Anti-Mouse CD48 Monoclonal Antibody (PE/Cy7 Conjugated)
Product Gene Name	anti-CD48 antibody
Product Synonym Names	CD48 antigen; Cd48; BCM1 surface antigen; BLAST-1; HM48-1; MRC OX-45 surface antigen; SLAMF2; sgp-60; CD48
Clonality	Monoclonal
Isotype	IgG
Clone Number	HM48-1
Host	Hamster
Species Reactivity	Mouse
Form/Format	PBS with 0.05% Proclin300, 1% BSA
Preparation and Storage	Store at 2-8 degree C and protect from prolonged exposure to light. Do not freeze.
Matching Pairs	Antibody: CD48 (MBS2558121) Isotype Control: IgG Clone #PIP (MBS2557898)
3D Structure	ModBase 3D Structure for P18181
Conjugation	PE/Cy7
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CD48 antibody	Flow Cytometry (FC/FACS)
Related Product Information for anti-CD48 antibody	CD48 is a 45 kD GPI-anchored glycoprotein also known as BCM1, Blast-1 (human), and OX-45 (rat). It is a member of the Ig superfamily, expressed on T and B cells and monocytes/macrophages. It plays a role in adhesion and T cell recognition. The primary ligands for CD48 are CD2 and CD244.
Other Notes	Small volumes of anti-CD48 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CD48 purchase	MBS2558121 is an antibody targeting CD48. Also known as Anti-Mouse CD48 Monoclonal Antibody (PE/Cy7 Conjugated). Reactive in Mouse. Host: Hamster.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD48. It may not necessarily be applicable to this product.

NCBI GI #	114872
NCBI GeneID	12506
NCBI Accession #	P18181.1
UniProt Primary Accession #	P18181
UniProt Related Accession #	P18181

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
UniProt Protein Name	CD48 antigen
UniProt Synonym Protein Names	BCM1 surface antigen; BLAST-1; HM48-1; MRC OX-45 surface antigen; SLAM family member 2; SLAMF2; Signaling lymphocytic activation molecule 2; sgp-60; CD_antigen: CD48
Protein Family	CD48 antigen
UniProt Gene Name	Cd48
UniProt Synonym Gene Names	Bcm-1; SLAMF2
UniProt Entry Name	CD48_MOUSE
NCBI Protein Information	CD48 antigen
UniProt Comments for CD48	CD48: Ligand for CD2. Might facilitate interaction between activated lymphocytes. Probably involved in regulating T-cell activation. Protein type: Membrane protein, GPI anchor Cellular Component: protein complex; anchored to plasma membrane; membrane; plasma membrane; integral to membrane; lipid raft; external side of plasma membrane Molecular Function: protein binding; receptor activity; antigen binding Biological Process: T cell activation; signal transduction; mast cell activation
Research Articles on CD48	**1.** Molecular dynamic simulation explains unbinding and unfolding of CD48-2B4 protein complexes.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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