CD48 Antibody – Monoclonal

PRODUCT OVERVIEW

Product Name	CD48, Monoclonal Antibody
Full Product Name	Anti-Human CD48 Antibody (SAA0017), PE
Product Gene Name	anti-CD48 antibody
Product Synonym Names	Signaling lymphocytic activation molecule 2; TCT.1; CD48 antigen; B-lymphocyte activation marker BLAST-1; BCM1; CD48; BLAST1; Leukocyte antigen MEM-102; SLAMF2; BCM1 surface antigen; SLAM family member 2; RHC39801
Clonality	Monoclonal
Isotype	IgG1
Clone Number	SAA0017
Species Reactivity	Human
Form/Format	Liquid; 0.01M PBS, pH 7.4, 0.2% BSA, 0.05% Proclin 300.
Concentration	0.5mg/ml (lot specific)
Preparation and Storage	Store at 4 degree C for 12 months. Protect from light. Do not freeze.
Molecular Weight	19,429 Da
OMIM	M59904 mRNA
3D Structure	ModBase 3D Structure for P09326
Conjugation	PE
Host Species	Human
Product Categories/Family for anti-CD48 antibody	Super-Affinity Antibodies; Flow Cytometry Antibodies
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CD48 antibody	ELISA (EIA), Flow Cytometry (FC/FACS/FCM), Western Blot (WB)
Related Product Information for anti-CD48 antibody	MBS1583010 is an antibody targeting CD48. Also known as Anti-Human CD48 Antibody (SAA0017), PE. Reactive in Human.
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.

ADDITIONAL DETAILS

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

NCBI GI #	114871
NCBI GeneID	962
NCBI Accession #	P09326.2
UniProt Primary Accession #	P09326

UniProt Secondary Accession #	Q5U055; Q8MGR0
UniProt Related Accession #	P09326
NCBI Official Full Name	CD48 antigen
NCBI Official Synonym Full Names	CD48 molecule
NCBI Official Symbol	CD48
NCBI Official Synonym Symbols	BCM1; BLAST; hCD48; mCD48; BLAST1; SLAMF2; MEM-102
UniProt Protein Name	CD48 antigen
UniProt Synonym Protein Names	B-lymphocyte activation marker BLAST-1; BCM1 surface antigen; Leukocyte antigen MEM-102; SLAM family member 2; SLAMF2; Signaling lymphocytic activation molecule 2; TCT.1; CD_antigen: CD48
Protein Family	CD48 antigen
UniProt Gene Name	CD48
UniProt Synonym Gene Names	BCM1; BLAST1; SLAMF2
NCBI Protein Information	CD48 antigen
NCBI Summary for CD48	This gene encodes a member of the CD2 subfamily of immunoglobulin-like receptors which includes SLAM (signaling lymphocyte activation molecules) proteins. The encoded protein is found on the surface of lymphocytes and other immune cells, dendritic cells and endothelial cells, and participates in activation and differentiation pathways in these cells. The encoded protein does not have a transmembrane domain, however, but is held at the cell surface by a GPI anchor via a C-terminal domain which maybe cleaved to yield a soluble form of the receptor. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]
UniProt Comments for CD48	Ligand for CD2. Might facilitate interaction between activated lymphocytes. Probably involved in regulating T-cell activation.
Research Articles on CD48	**1.** The present study provides further insights into the role of the 2B4-CD48 interaction in the fine regulation of CD8(+) T-cell effector function upon antigenic stimulation.
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