10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-CD48-AcalephFluor488-labled

Catalog # AP101100

Product Information

Application	FC, IF/IC
Primary Accession	P09326
Reactivity	Human
Clonality	Monoclonal
Calculated MW	27683

Additional Information

Gene ID	962
Other Names	BCM1; BLAST1; CD48 antigen; 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
Target/Specificity	Recognizes human CD48
Dilution	FC~~1:10~50 IF/IC~~N/A
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 0.2% BSA, and 0.02% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	CD48
Synonyms	BCM1, BLAST1
Function	Glycosylphosphatidylinositol (GPI)-anchored cell surface glycoprotein that interacts via its N-terminal immunoglobulin domain with cell surface receptors including CD244/2B4 or CD2 to regulate immune cell function and activation (PubMed:12007789, PubMed:19494291, PubMed:27249817, PubMed:9841922). Participates in T-cell signaling transduction by associating with CD2 and efficiently bringing the Src family protein kinase LCK and LAT to the TCR/CD3 complex (PubMed:19494291). In turn, promotes LCK phosphorylation and subsequent activation (PubMed:12007789). Induces the phosphorylation of the cytoplasmic immunoreceptortyrosine switch motifs (ITSMs) of CD244 initiating a series of signaling events that leads to the generation of the immunological synapse and the directed release of cytolytic granules containing perforin and granzymes by T-lymphocytes and NK- cells (PubMed:27249817).
Cellular Location	Cell membrane; Lipid-anchor, GPI-anchor. Membrane raft. Secreted

Tissue Location	Widely expressed on all hematopoietic cells.

Background

AcalephFluor488-labled mouse monoclonal antibody to CD48

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.