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# Anti-CD48-AcalephFluor594-labled

Catalog # AP101103

## Product Information

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

## Additional Information

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| **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

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| **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 |

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| **Tissue Location** | Widely expressed on all hematopoietic cells. |

## Background

AcalephFluor594-labled mouse monoclonal antibody to CD48

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