

# CD48 Antibody

Rabbit mAb Catalog # AP91882

### **Product Information**

**Application** WB, IHC, IF, ICC, IP, IHF

Primary Accession P09326
Reactivity Human
Clonality Monoclonal

Other Names BCM1; BLAST; BLAST1; CD48; hCD48; mCD48; MEM102; SLAMF2;

IsotypeRabbit IgGHostRabbitCalculated MW27683

## **Additional Information**

**Dilution** WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:50

**Purification** Affinity-chromatography

**Immunogen** A synthesized peptide derived from human CD48

**Description** Ligand for CD2. Might facilitate interaction between activated lymphocytes.

Probably involved in regulating T-cell activation.

**Storage Condition and Buffer** Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium

azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term.

Avoid freeze / thaw cycle.

#### **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

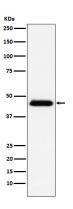
the TCR/CD3 complex (PubMed: 19494291). In turn, promotes LCK

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

# **Images**



Western blot analysis of CD48 expression in Raji cell lysate.

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