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# Product datasheet for SM1121APC

## CD48 Mouse Monoclonal Antibody [Clone ID: MEM-102]

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Clone Name:** | MEM-102 |
| **Applications:** | FC |
| **Recommended Dilution:** | **Flow Cytometry:** Use 10 µl of Neat-1/10 diluted antibody to label 1x10e6 cells in 100 µl. |
| **Reactivity:** | Human, Monkey |
| **Host:** | Mouse |
| **Isotype:** | IgG1 |
| **Clonality:** | Monoclonal |
| **Specificity:** | This antibody recognises the CD48 antigen which is widely distributed on leucocytes with a distinctive reaction pattern.<br>The antigen is structurally closely related to the B-cell activation antigen Blast-1. |
| **Formulation:** | PBS containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer.<br>Label: APC<br>State: Lyophilized purified IgG fraction.<br>Label: Allophycocyanin |
| **Reconstitution Method:** | Reconstitute with 1 ml distilled water. |
| **Concentration:** | lot specific |
| **Purification:** | Ion Exchange Chromatography. |
| **Conjugation:** | APC |
| **Storage:** | Prior to and following reconstitution store the antibody undiluted at 2-8°C.<br>**DO NOT FREEZE!**<br>This product is photosensitive and should be protected from light. |
| **Stability:** | Shelf life: one year from despatch. |
| **Gene Name:** | CD48 molecule |
| **Database Link:** | Entrez Gene 962 Human<br>P09326 |

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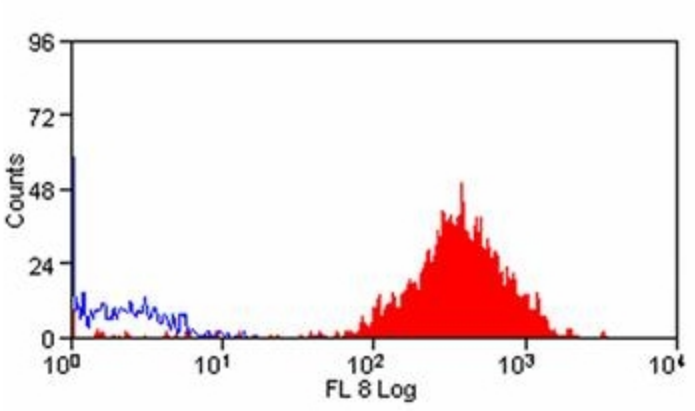
**Background:** CD48 is a glycosyl phophatidyl inositol (GPI) anchored cell surface protein also known as Blast1, HuLy m3, BCM1 (in mouse), and OX45 (in rat). CD48 is strongly expressed on lymphocytes and monocytes and weakly on granulocytes but is absent on platelets, fibrolasts, epithelium and endothelium. CD48 is one of the markers for detecting the defects of GPI anchoring structure on patients with paroxysmal nocturnal hemoglobulinuria (PNH) and serves as a low affinity ligand for CD2. The CD48 antigen is closely related to the activation antigen, Blast 1.

**Synonyms:** BCM1, BLAST1, MEM-102, TCT.1

## Product images:




Peripheral Human lymphocytes stained with Mouse Anti Human CD48-APC (SM1121APC).