

## anti-human CD48 PE-conjugated

The antibody MEM-102 reacts with CD48 antigen (Blast-1), a 40-47 kDa GPI-anchored membrane protein (immunoglobulin supergene family) widely expressed on hematopoietic cells; it is negative on granulocytes, platelets and erythrocytes.

**CD48** (Blast-1) belongs to the CD2 subset of the Ig superfamily, which includes CD2, CD2F-10, CD58, CD84, CD150, CD229, CD244 and others. These molecules bind to the same or another members of their family, thus mediate homotypic or heterotypic adhesion. CD48 is a GPI-anchored protein broadly expressed on hematopoietic cells and serves as a high affinity ligand for 2B4 and low affinity ligand for CD2. 2B4-CD48 interaction among NK cells and NK-T cells regulates cell proliferation. Signaling through CD48 results in eosinophil activation and CD48 expression is increased in several infectious diseases.

<b>Clone:</b>	MEM-102
<b>Isotype:</b>	Mouse IgG1
<b>Physical state:</b>	Liquid for direct use
<b>Form:</b>	purified antibody conjugated with R-Phycoreythrins (R-PE)
<b>Buffer:</b>	PBS containing 1% BSA and 0.1% sodium azide (pH 7.4)
<b>Storage:</b>	Store at 4 °C. Do not freeze. Avoid prolonged exposure to light.
<b>Application:</b>	Flow Cytometry
<b>Reference:</b>	Leucocyte Typing V. Schlossman S. et al. (Eds.), Oxford University Press (1995)
<b>Quantity:</b>	1.0 ml
<b>Order N°:</b>	H12187P

**Warning:** Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32).

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