

## anti-human CD44 PE-conjugated

The antibody MEM-85 reacts with both cell surface-expressed and soluble form of CD44 antigen (Phagocyte glycoprotein 1), a 80-95 kDa transmembrane glycoprotein (hyaladherin family) present on the most of cells and tissues (leukocytes, endothelial cells, mesenchymal cells, etc.); it is negative on platelets and hepatocytes.

**CD44** is a transmembrane glycoprotein expressed on the surface of most cells, which serves as a receptor for hyaluronan. CD44 mediates angiogenesis, cell adhesion, proliferation and migration, it is thus important for lymphocyte activation, recirculation and homing, it can thus serve e.g. as a modulator of macrophage recruitment in response to pathogen. Although CD44 functions are essential for physiological activities of normal cells, elevated CD44 expression correlates with poor prognosis in many carcinomas, facilitating tumour growth and metastasis, antiapoptosis and directional motility of cancer cells.

<b>Clone:</b>	MEM-85
<b>Isotype:</b>	Mouse IgG2b
<b>Physical state:</b>	Liquid for direct use
<b>Form:</b>	purified antibody conjugated with R-Phycoerythrin (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>	Leukocyte Typing VI., Kishimoto T. et al. (Eds.), Garland Publishing Inc. (1997)
<b>Quantity:</b>	1.0 ml
<b>Order N°:</b>	H12177P

**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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