

## anti-human CD9 FITC-conjugated

The antibody MEM-61 recognizes an epitope on second extracellular domain (EC2) of CD9 antigen, a 24 kDa single transmembrane polypeptide expressed on platelets, monocytes, pre-B lymphocytes, granulocytes and activated T lymphocytes.

The antibody induces FcgR-dependent platelet activation (aggregation)

CD9 belongs to proteins of tetraspanin family that orchestrate cholesterol-associated tetraspanin-enriched signaling microdomains within the plasma membrane, forming complexes with each other as well as with integrins, membrane-anchored growth factors and other proteins. CD9 is involved in cell motility, osteoclastogenesis, neurite outgrowth, myotube formation, and sperm-egg fusion, plays roles in cell attachment and proliferation and is necessary for association of heterologous MHC II molecules on the dendritic cell plasma membrane which is important for effective T cell stimulation. CD9 is also considered as metastasis suppressor in solid tumors.

<b>Clone:</b>	MEM-61
<b>Isotype:</b>	Mouse IgG1
<b>Physical state:</b>	Liquid for direct use
<b>Form:</b>	purified antibody conjugated with Fluorescein isothiocyanate (FITC)
<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>	H12134F

**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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