Monoclonal Antibody to CD9 - purified

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.

Cat#: AYW620 (100 µg purified antibody)
Clone: MEM-61
Isotype: Mouse IgG1
Specificity: The antibody MEM-61 recognizes an epitope on second extracellular domain (EC2) of CD9 antigen, a 24 kDa transmembrane protein expressed on platelets, monocytes, pre-B lymphocytes, granulocytes and activated T lymphocytes.
Immunogen: Pre-B cell line NALM-6.
Species Reactivity: Human
Application:
  Flow Cytometry
  Recommended dilution: 5 µg/ml
  Western Blotting
  Recommended dilution: 2-4 µg/ml - Application note: Non-reducing conditions.
  Immunohistochemistry (paraffin sections)
  Recommended dilution: 20 µg/ml - Positive tissue: prostate
  Functional Application
  The antibody MEM-61 induces FcγR-dependent platelet aggregation.
Purity: > 95% (by SDS-PAGE) – Protein A purified
Purification: Purified from ascites by protein-A affinity chromatography.
Concentration: 1mg/ml
Storage Buffer: Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
Storage/Stability: Store at 2-8°C. Do not use after expiration date stamped on vial label. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.
References:


For in vitro research use only