

11-208-C100

Monoclonal Antibody to CD9 Purified Antibody (0.1 mg)

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. HLDA

VI; WS Code P P-15

Regulatory Status: RUO

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 Mass Cytometry Functional Application

The antibody MEM-61 induces FcγR-dependent platelet aggregation.

Purity: > 95% (by SDS-PAGE)

Purification: Purified by protein-A affinity chromatography

Concentration: 1 mg/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 freeze. Do not use after expiration date stamped on vial

label.

Expiration: See vial label

Lot Number: See vial label

Background: 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.

For laboratory research only, not for drug, diagnostic or other use.



PRODUCT DATA SHEET

References:

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