

Product datasheet for **SM3039P**

CD9 Mouse Monoclonal Antibody [Clone ID: MEM-61]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MEM-61
Applications:	FC, FN, IHC, IP, WB
Recommended Dilution:	Immunohistochemistry on Paraffin Sections: 20 µg/ml. <i>Positive tissue:</i> Prostate. Flow Cytometry: 5 µg/ml. Immunoprecipitation. Western blot: 2-4 µg/ml (<i>Non Reducing Conditions</i>). Functional Application: The antibody induces FcgR-dependent platelet activation / aggregation.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Pre-B cell line NALM-6
Specificity:	The antibody 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.
Formulation:	Phosphate buffered saline (PBS), pH~7.4 with 15 mM Sodium Azide as preservative State: Purified State: Liquid purified Ig fractionn (> 95% pure by SDS-PAGE)
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	CD9 molecule



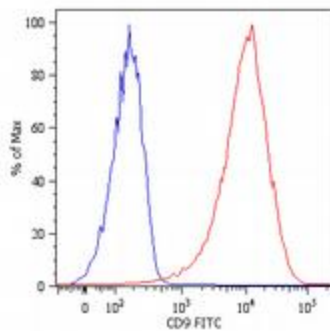
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Database Link: [Entrez Gene 928 Human P21926](#)

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.

Synonyms: MIC3, TSPAN29, GIG2, p24, Tetraspanin-29, 5H9 antigen

Product images:



Surface staining of NALM-6 human pre-B cell leukemia cell line with anti-human CD9 (MEM-61) FITC. Total viable cells were used for analysis.