

Product datasheet for **SM3039B**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	MEM-61
Applications:	FC
Recommended Dilution:	Indirect immunofluorescence analysis by Flow Cytometry: Suggested working dilution is 1/100 as starting point.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Pre-B cell line NALM-6
Specificity:	This 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) with 15 mM sodium azide, approx. pH 7.4 Label: Biotin State: Liquid purified Ig fraction Label: Conjugated with Biotin-LC-NHS under optimum conditions. The reagent is free of unconjugated biotin.
Concentration:	lot specific
Conjugation:	Biotin
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	CD9 molecule
Database Link:	Entrez Gene 928 Human P21926



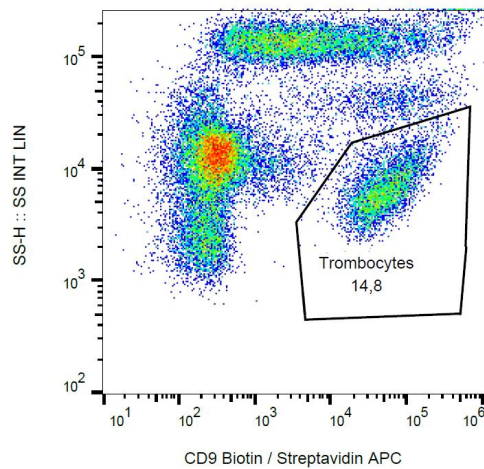
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Background:

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 human peripheral blood with anti-CD9 (MEM-61) biotin / streptavidin-APC.