

Product datasheet for **SM1065R**

CD9 Mouse Monoclonal Antibody [Clone ID: MM2/57]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MM2/57
Applications:	FC
Recommended Dilution:	Flow Cytometry: Use 10 µl of Neat-1/2 diluted antibody to label 10e6 cells or 100 µl whole blood.
Reactivity:	Bovine, Canine, Equine, Feline, Human, Porcine, Rabbit
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Human platelet membrane. Spleen cells from immunised BALB/c mice were fused with cells from the SP2/0 mouse myeloma line.
Specificity:	This antibody is a 24kD cell surface glycoprotein expressed by platelets, monocytes, some lymphocytes and endothelial cells. It is a member of the tetraspans gene family.
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. Label: PE State: Lyophilized purified IgG fraction. Label: R. Phycoerythrin (RPE)
Reconstitution Method:	Restore with distilled water.
Purification:	Affinity chromatography on Protein A
Conjugation:	PE
Storage:	Prior to and following reconstitution store the antibody undiluted at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD9 molecule
Database Link:	Entrez Gene 928 Human P21926



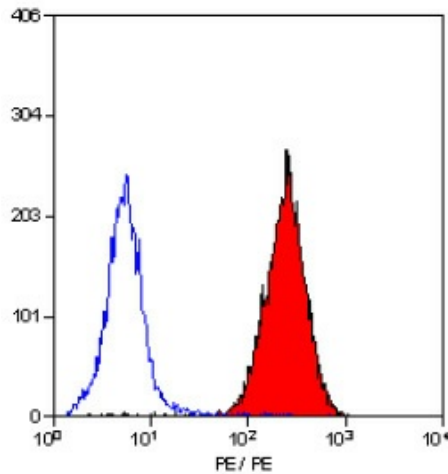
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Background:

CD9 antigen is a glycoprotein expressed on the surface of developing B lymphocytes, platelets, monocytes, eosinophils, basophil, stimulated T lymphocytes and by neurons and glial cells in the peripheral nervous system. It belongs to a family of membrane proteins termed tetraspanins which transverse the membrane four times. In pre B cells and platelets, CD9 antigen regulates cell activation and aggregation possibly through an association with the integrin CD41 / CD61 (GPIIb / GPIIIa). It also regulates cell motility in a variety of cell lines, and appears to be an important regulator of Schwann cell behaviour in peripheral nerve.

Synonyms:

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

Product images:

Staining of human peripheral blood platelets with
MOUSE ANTI HUMAN CD9:RPE