

## Product datasheet for **SM1065B**

### 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 10µl of Neat-1/5 diluted antibody to label 10e6 cells or 100µl whole blood.
Reactivity:	Bovine, Canine, Equine, Feline, Human, Rabbit
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Human platelet membrane. Spleen cells from BALB/c mice immunised were fused with cells of the mouse SP2/0 myeloma line.
Specificity:	This antibody recognises CD9, a 24kD surface glycoprotein expressed by platelets, monocytes, some lymphocytes and endothelial cells.
Formulation:	Contains 0.09% Sodium Azide as preservative and 1% Bovine Serum Albumin as stabilizer. Label: Biotin State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Biotin
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD9 molecule
Database Link:	<a href="#">Entrez Gene 928 Human P21926</a>



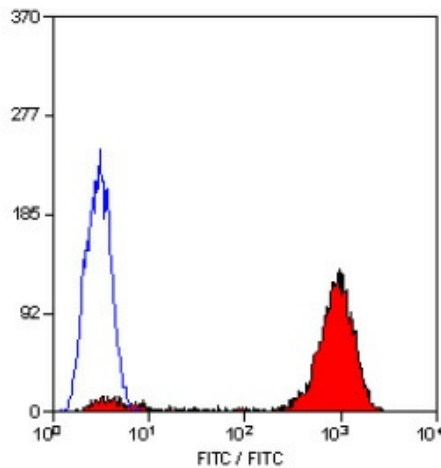
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**Background:**

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:BIOTIN