

## Product datasheet for **SM1065P**

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

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	MM2/57
Applications:	FC, IHC, WB
Recommended Dilution:	<b>Western Blot.</b> <b>Flow Cytometry:</b> Use 10 µl of 1/100-1/200 diluted antibody to label 10 <sup>6</sup> cells or 100 µl whole blood. <b>Immunohistochemistry on Frozen Sections:</b> 1/500-1/1000.
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 clone MM2/57 recognizes a conserved epitope on CD9 present on wide range of mammalian species.
Formulation:	PBS State: Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store 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>



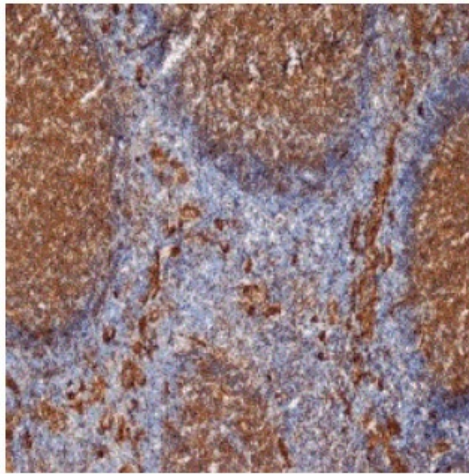
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**Background:**

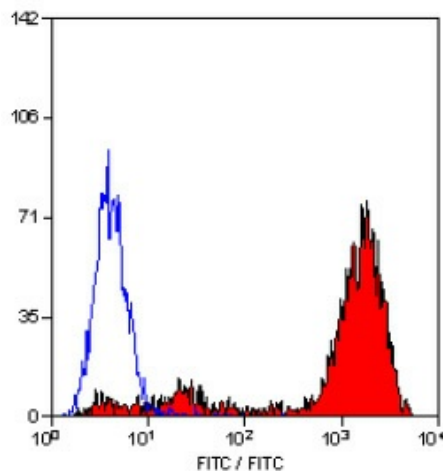
CD9 is a member of the tetraspan gene family. CD9 antigen is a glycoprotein expressed on the surface of developing B lymphocytes, platelets, monocytes, eosinophils, basophil, stimulated T lymphocytes and by neurons and glial cells in the peripheral nervous system. It belongs to a family of membrane proteins 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 acetone fixed frozen Human tonsil with Mouse anti-CD9 Antibody



Staining of Human peripheral blood platelets with Mouse Anti Human CD9.