

## Monoclonal Antibody to CD9 - PE

<b>Alternate names:</b>	5H9 antigen, Cell growth-inhibiting gene 2 protein, GIG2, Leukocyte antigen MIC3, MIC3, Motility-related protein, TSPAN29, Tetraspanin-29, p24
<b>Catalog No.:</b>	SM1065RT
<b>Quantity:</b>	25 Tests
<b>Background:</b>	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.
<b>Uniprot ID:</b>	<a href="#">P21926</a>
<b>NCBI:</b>	<a href="#">NP_001760.1</a>
<b>GeneID:</b>	<a href="#">928</a>
<b>Host / Isotype:</b>	Mouse / IgG2b
<b>Clone:</b>	MM2/57
<b>Immunogen:</b>	Human platelet membrane. Spleen cells from immunised BALB/c mice were fused with cells from the SP2/0 mouse myeloma line.
<b>Format:</b>	<b>State:</b> Lyophilized purified IgG fraction. <b>Purification:</b> Affinity chromatography on Protein A <b>Buffer System:</b> PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. <b>Label:</b> PE – R. Phycoerythrin (RPE) <b>Reconstitution:</b> Restore with distilled water.
<b>Applications:</b>	<b>Flow Cytometry:</b> Use 10 µl of Neat-1/2 diluted antibody to label 10e6 cells or 100 µl whole blood. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	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. <b>Species:</b> Human, Horse, Bovine, Rabbit, Rhesus Monkey, Dog, Cat, Pig. Other species not tested.

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Material Safety Datasheets are available at [www.acris-antibodies.com](http://www.acris-antibodies.com) or on request.

Antibody Hotline - Technical Questions - Antibody Location Service  
Free Call: 0800-2274746 (Germany only) - [www.acris-antibodies.com](http://www.acris-antibodies.com)

**Storage:**

Prior to and following reconstitution store the antibody undiluted at 2-8°C.

**DO NOT FREEZE!**

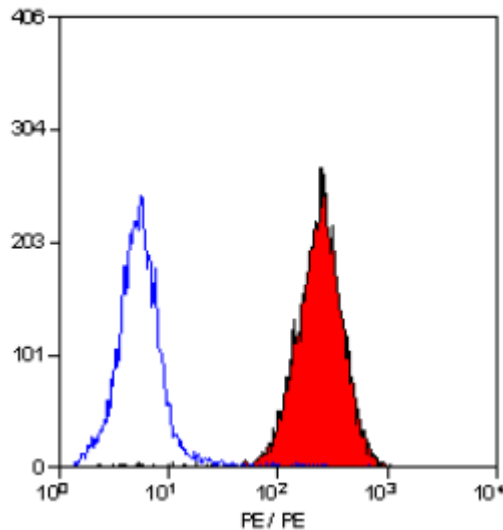
This product is photosensitive and should be protected from light.

Shelf life: one year from despatch.

**General References:**

1. Boucheix, C. et al. (1991) Molecular cloning of the CD9 antigen. A new family of cell surface proteins. *J. Biol. Chem.* 266: 117-122.

2. Brodersen, R. et al. (1998) Analysis of the immunological cross reactivities of 213 well characterized monoclonal antibodies with specificities against various CD markers of human and 11 animal species. *Vet. Immunol. Immunopathol.* 64: 1-13.

**Pictures:**

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

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