

Monoclonal Antibody to CD9 - PE

Alternate names:	5H9 antigen, Cell growth-inhibiting gene 2 protein, GIG2, Leukocyte antigen MIC3, MIC3, Motility-related protein, TSPAN29, Tetraspanin-29, p24
Catalog No.:	SM1065R
Quantity:	100 Tests
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.
Uniprot ID:	P21926
NCBI:	NP_001760.1
GeneID:	928
Host / Isotype:	Mouse / IgG2b
Clone:	MM2/57
Immunogen:	Human platelet membrane. Spleen cells from immunised BALB/c mice were fused with cells from the SP2/0 mouse myeloma line.
Format:	State: Lyophilized purified IgG fraction. Purification: Affinity chromatography on Protein A Buffer System: PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. Label: PE – R. Phycoerythrin (RPE) Reconstitution: Restore with distilled water.
Applications:	Flow Cytometry: 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.
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. Species: Human, Horse, Bovine, Rabbit, Rhesus Monkey, Dog, Cat, Pig. Other species not tested.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - 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.

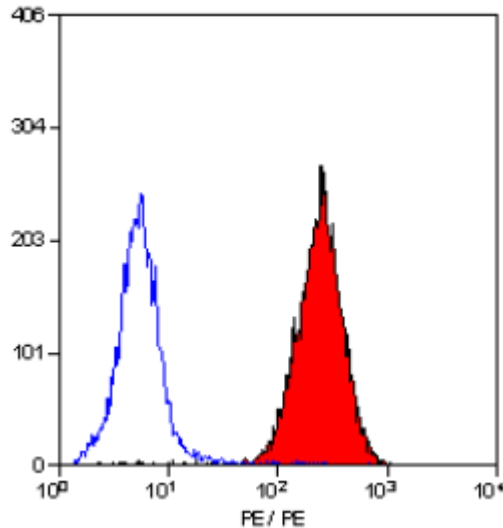
Shelf life: one year from despatch.

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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