

Monoclonal Antibody to CD9 - FITC

Alternate names:	5H9 antigen, Cell growth-inhibiting gene 2 protein, GIG2, Leukocyte antigen MIC3, MIC3, Motility-related protein, TSPAN29, Tetraspanin-29, p24
Catalog No.:	SM1065F
Quantity:	0.1 mg
Concentration:	0.1 mg/ml
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.
Format:	State: Liquid purified IgG Purification: Affinity chromatography on Protein A Buffer System: Contains 0.09% Sodium Azide and 1% Bovine Serum Albumin Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Flow cytometry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises the CD9 cell surface antigen, a 244kD glycoprotein expressed by platelets, endothelial cells, monocytes and pre-B cells. Species: Human, Horse, Bovine, Rabbit, Rhesus Monkey, Dog, Cat, Pig. Other species not tested.
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. This product is photosensitive and should be protected from light. Shelf life: one year from despatch.

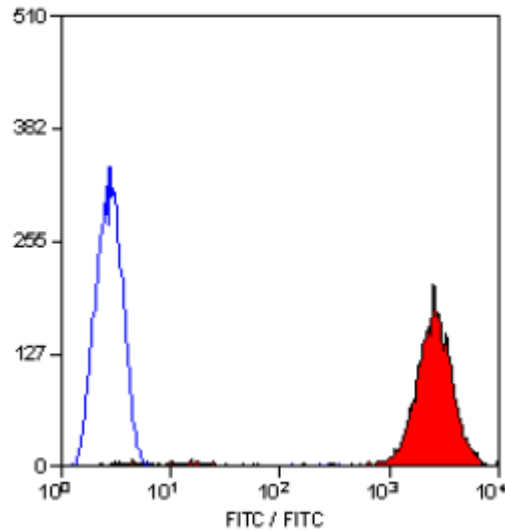
For research and in vitro use only. Not for diagnostic or therapeutic work.

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

- General References:**
1. Jennings, L. K. et al. (1995) CD9 cluster workshop report: cell surface binding and functional analysis. In S.F. Sclossman. et al. Editors. 1995. Leucocyte Typing V. White Cell Differentiation Antigens. Oxford University Press, New York, NY. 1249-1251.
 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:FITC

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