

CD9 monoclonal antibody, clone SN4/C3-3A2

Catalog # MAB6900 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native CD9.
Immunogen	Native purified CD9 from NALM-6 (human pre-B leukemia cell line).
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG1, kappa
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM sodium phosphate buffer, 100 mM potassium Chloride, 150 mM NaCl, pH 7.5 (0.5 mg/mL gentamicin sulfate)
Storage Instruction	Store at 4°C.

Applications

- Immunohistochemistry (Frozen sections)
- Immunoprecipitation
- Flow Cytometry

Gene Info — CD9

Entrez GeneID [928](#)

Gene Name CD9

Gene Alias	5H9, BA2, BTCC-1, DRAP-27, GIG2, MIC3, MRP-1, P24, TSPAN29
Gene Description	CD9 molecule
Omim ID	143030
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins and other transmembrane 4 superfamily proteins. It can modulate cell adhesion and migration and also trigger platelet activation and aggregation. In addition, the protein appears to promote muscle cell fusion and support myotube maintenance. [provided by RefSeq]
Other Designations	5H9 antigen CD9 antigen CD9 antigen (p24) OTTHUMP00000041574 OTTHUMP00000041576 antigen defined by monoclonal antibody 602-29 growth-inhibiting gene 2 protein leukocyte antigen MIC3 motility related protein motility related protein-1 p24 antigen

Publication Reference

- [Fc gamma II receptor-mediated platelet activation induced by anti-CD9 monoclonal antibody opens Ca²⁺ channels which are distinct from those associated with Ca²⁺ store depletion.](#)

Kuroda K, Ozaki Y, Qi R, Asazuma N, Yatomi Y, Satoh K, Nomura S, Suzuki M, Kume S.
Journal of Immunology 1995 Nov; 155(9):4427.

Application: Func, Human, Human platelets
- [cDNA cloning and expression of platelet p24/CD9. Evidence for a new family of multiple membrane-spanning proteins.](#)

Lanza F, Wolf D, Fox CF, Kieffer N, Seyer JM, Fried VA, Coughlin SR, Phillips DR, Jennings LK.
The Journal of Biological Chemistry 1991 Jun; 266(16):10638.

Application: IP, WB-Ce, Human, Monkey, CHO cells, Human platelet lysates
- [Establishment of ascitic tumor of human pre-B acute lymphoblastic leukemia in nonconditioned nude mice.](#)

Luo Y, Hara H, Haruta Y, Seon BK.
Cancer Research 1989 Feb; 49(3):706.

Application: Flow Cyt, Human, NALM-6 cells

Pathway

- [Hematopoietic cell lineage](#)

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Infertility](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)