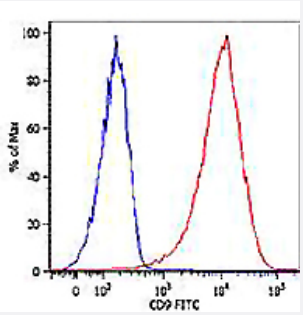
CD9 monoclonal antibody, clone MEM-61

Catalog # MAB0874 Size 100 ug

Applications



Flow Cytometry

Surface staining of NALM-6 human pre-B cell leukemia cell line with CD9 monoclonal antibody, clone MEM - 61 (Cat # MAB0874) FITC. Total viable cells were used for analysis.

Specification

Product Description	Mouse monoclonal antibody raised against native CD9.
Immunogen	Native purified CD9 from human pre-B cell line NALM-6.
Host	Mouse
Theoretical MW (kDa)	24
Reactivity	Human
Specificity	This antibody recognizes an epitope on second extracellular domain (EC2) of CD9 antigen, a 24 KD a single transmembrane polypeptide expressed on platelets, monocytes, pre-B lymphocytes, granulo cytes and activated T lymphocytes.
Form	Liquid
Isotype	IgG1
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.09% sodium azide)

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Storage Instruction	Store at 4°C. Do not freeze. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Flow Cytometry

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- Western Blot

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 a s the tetraspanin family. Most of these members are cell-surface proteins that are characterized b y 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 prot ein 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 activa tion 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

Pathway

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- Hematopoietic cell lineage

Disease

- Alzheimer disease
- Cardiovascular Diseases
- Diabetes Complications
- Infertility
- Metabolic Syndrome X
- Neoplasms
- Osteoporosis

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