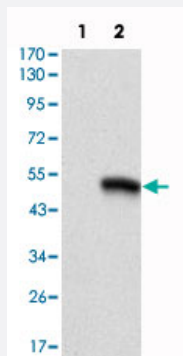


CD9 monoclonal antibody, clone 5G6

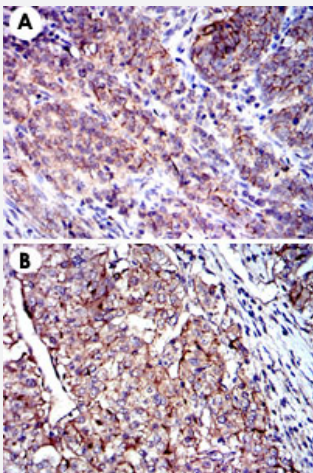
Catalog # MAB10542 Size 100 uL

Applications



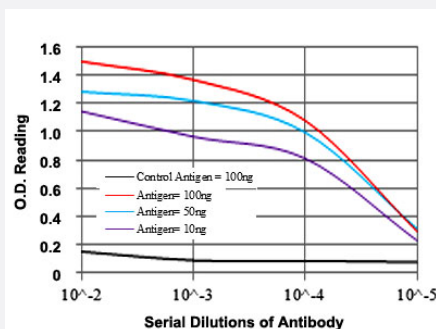
Western Blot (Transfected lysate)

Western blot analysis using CD9 monoclonal antibody, clone 5G6 (Cat # MAB10542) against HEK293 (1) and CD9(aa : 37-228)-hlgGfC transfected HEK293 (2) cell lysate.



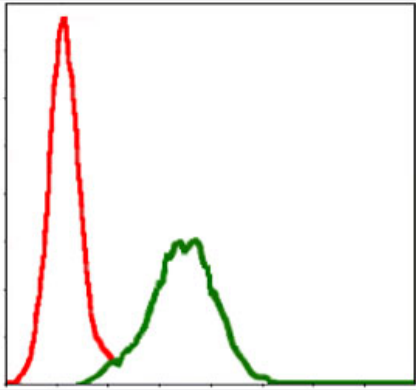
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human cervical cancer (A) and human kidney cancer(B) tissues using CD9 monoclonal antibody, clone 5G6 (Cat # MAB10542) with DAB staining.



Enzyme-linked Immunoabsorbent Assay

ELISA detection with CD9 monoclonal antibody, clone 5G6 (Cat # MAB10542).



Flow Cytometry

Flow cytometric analysis of Jurkat cells using CD9 monoclonal antibody, clone 5G6 (Cat # MAB10542) (green) and negative control (red).

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of CD9.
Immunogen	A synthetic peptide corresponding to human CD9.
Host	Mouse
Theoretical MW (kDa)	25
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) Flow cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western blot analysis using CD9 monoclonal antibody, clone 5G6 (Cat # MAB10542) against HEK293 (1) and CD9(aa : 37-228)-hlgGFc transfected HEK293 (2) cell lysate.

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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

Pathway

- [Hematopoietic cell lineage](#)

Disease

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