

Product datasheet for **AM06708SU-N**

CD9 Mouse Monoclonal Antibody [Clone ID: 5G6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	5G6
Applications:	ELISA, FC, IHC, WB
Recommended Dilution:	Western Blot: 1/500 - 1/2000. Immunohistochemistry on paraffin sections: 1/200 - 1/1000. Flow cytometry: 1/200 - 1/400. ELISA: 1/10000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthesized peptide of human CD9.
Specificity:	This antibody reacts to CD9.
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% sodium azide.
Conjugation:	Unconjugated
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.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	25 kDa
Gene Name:	CD9 molecule
Database Link:	Entrez Gene 928 Human P21926



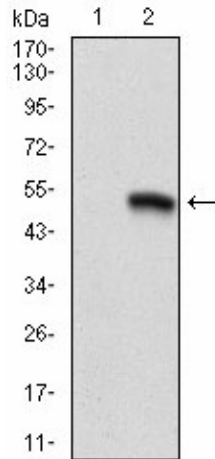
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Background:

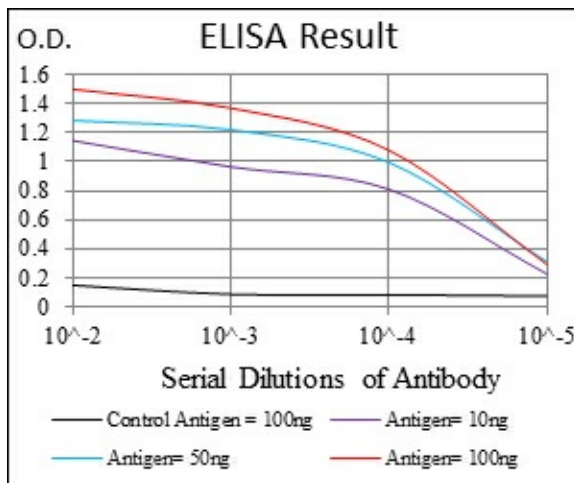
This gene encodes a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Tetraspanins are cell surface glycoproteins with four transmembrane domains that form multimeric complexes with other cell surface proteins. The encoded protein functions in many cellular processes including differentiation, adhesion, and signal transduction, and expression of this gene plays a critical role in the suppression of cancer cell motility and metastasis.

Synonyms:

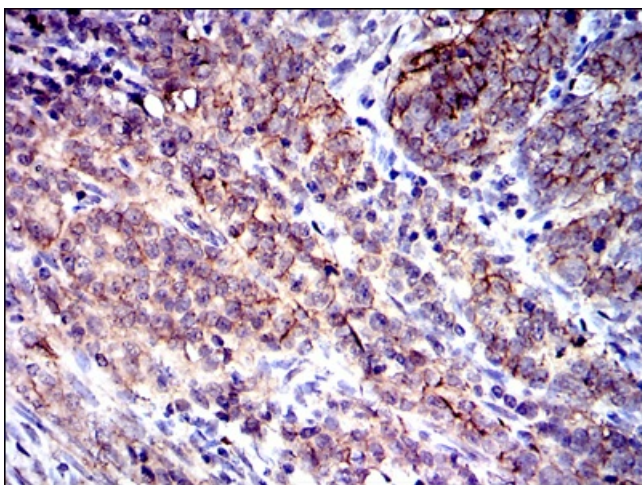
MIC3, TSPAN29, GIG2, p24, Tetraspanin-29, 5H9 antigen

Product images:


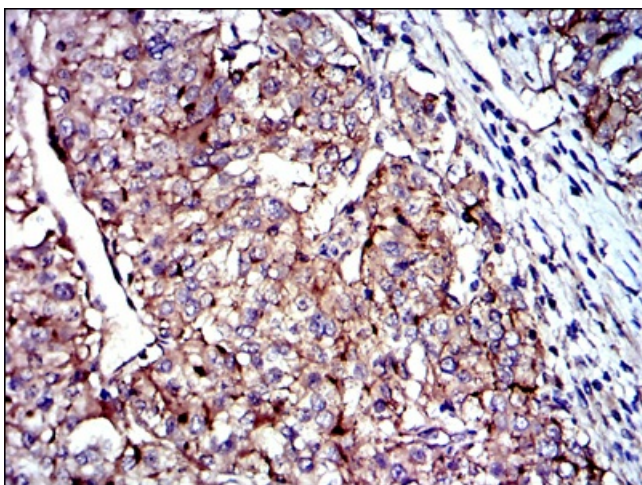
Western blot analysis using CD9 mAb against HEK293 (1) and CD9 (AA: 37-228)-hlgGfc transfected HEK293 (2) cell lysate.



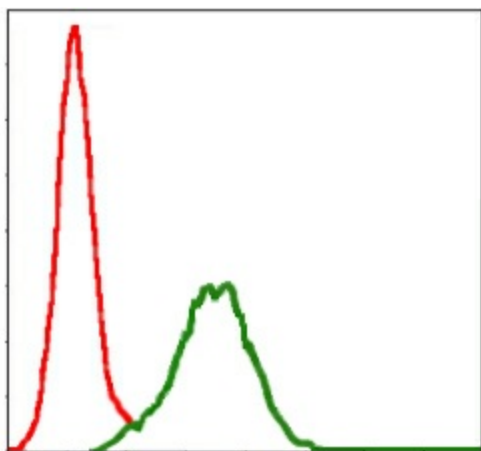
Red: Control Antigen (100ng) Purple: Antigen (10ng) Green: Antigen (50ng) Blue: Antigen (100ng)



Immunohistochemical analysis of paraffin-embedded cervical cancer tissues using CD9 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded kidney cancer tissues using CD9 mouse mAb with DAB staining.



Flow cytometric analysis of Jurkat cells using CD9 mouse mAb (green) and negative control (red).