Product Name: ITGB1 Mouse Monoclonal Antibody
Catalog #: AMM81100
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ELISA,FC
Reactivity	Human,Monkey
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	88.4kDa

Antigen Information

Gene Name	ITGB1
Alternative Names	CD29; FNRB; MDF2; VLAB; GPIIA; MSK12; VLA-BETA
Gene ID	3688.0
SwissProt ID	P05556
Immunogen	Purified recombinant fragment of human ITGB1 expressed in E. Coli.

Background

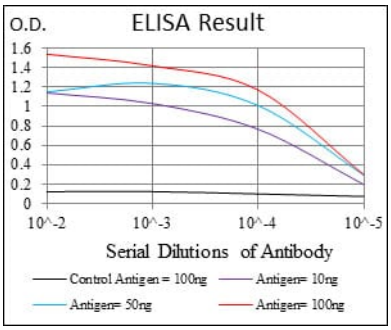
Integrins are heterodimeric proteins made up of alpha and beta subunits. At least 18 alpha and 8 beta subunits have been described in mammals. Integrin family members are membrane receptors involved in cell adhesion and recognition in a variety of processes including embryogenesis, hemostasis, tissue repair, immune response and metastatic diffusion of tumor cells. This

gene encodes a beta subunit. Multiple alternatively spliced transcript variants which encode different protein isoforms have been found for this gene.

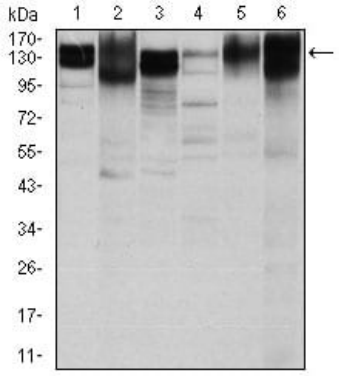
Research Area

PI3K-Akt signaling pathway

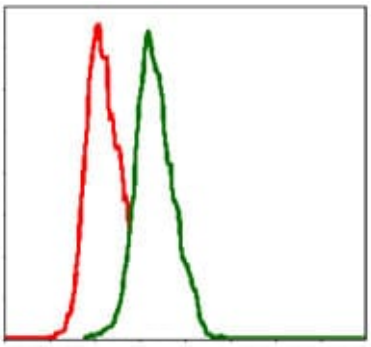
Image Data



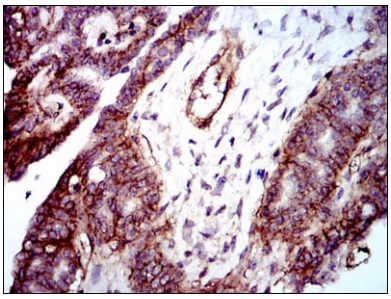
Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



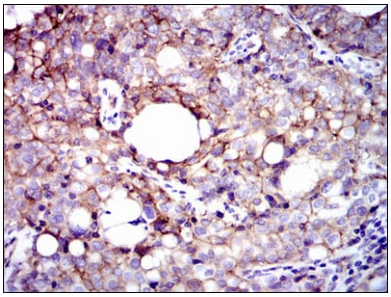
Western blot analysis using ITGB1 mouse mAb against Hela (1), HepG2 (2), A549 (3), Jurkat(4), L1210 (5) and Cos7 (6) cell lysate.



Flow cytometric analysis of Hela cells using ITGB1 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human ovarian cancer tissues using ITGB1 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using ITGB1 mouse mAb with DAB staining.