

**Product Name: ITGA1 Mouse Monoclonal Antibody****Catalog #: AMM82798**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	IHC, ICC, ELISA, FC
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG2a
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	IHC 1:200-1:1000, ICC 1:200-1:1000, ELISA 1:5000-1:20000, FC 1:200-1:400
<b>Molecular Weight</b>	130.8kDa

**Antigen Information**

<b>Gene Name</b>	ITGA1
<b>Alternative Names</b>	VLA1; CD49a
<b>Gene ID</b>	3672.0
<b>SwissProt ID</b>	P56199
<b>Immunogen</b>	Purified recombinant fragment of human ITGA1 (AA: extra(151-364)) expressed in E. Coli.

**Background**

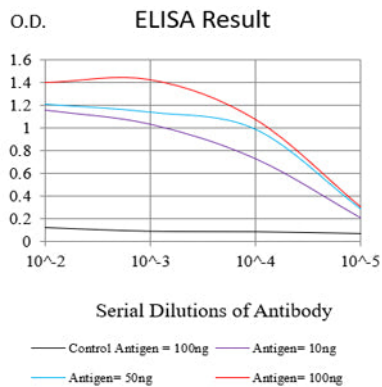
This gene encodes the alpha 1 subunit of integrin receptors. This protein heterodimerizes with the beta 1 subunit to form a cell-surface receptor for collagen and laminin. The heterodimeric receptor is involved in cell-cell adhesion and may play a role in inflammation and fibrosis. The alpha 1 subunit contains an inserted (I) von Willebrand factor type I domain which is thought to

be involved in collagen binding. [provided by RefSeq, Jul 2008]

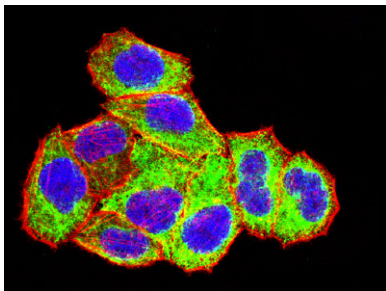
## Research Area

PI3K-Akt signaling pathway

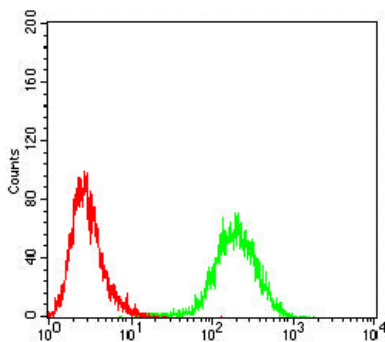
## Image Data



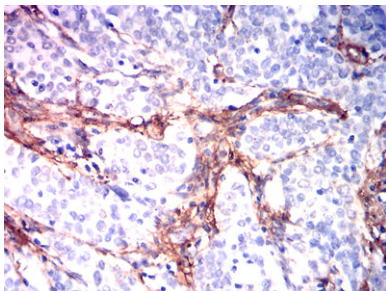
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



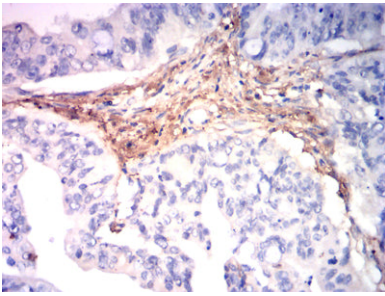
Immunofluorescence analysis of HeLa cells using ITGA1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



Flow cytometric analysis of HepG2 cells using ITGA1 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human Cervical cancer tissues using ITGA1 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human rectal cancer tissues using ITGA1 mouse mAb with DAB staining.