

Summary

Production Name	ITGB4 Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	IHC,FC,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Immunogen

Gene Name	ITGB4
Alternative Names	CD104
Gene ID	3691.0
SwissProt ID	P16144.Purified recombinant fragment of human ITGB4 (AA: 1619-1822) expressed in E. Coli.

Application

Dilution Ratio	IHC:1:200-1:1000,FC:1:200-1:400,ELISA:1:10000
Molecular Weight	202kDa

Background

Product Name: ITGB4 Mouse Monoclonal Antibody
Catalog #: AMM81207

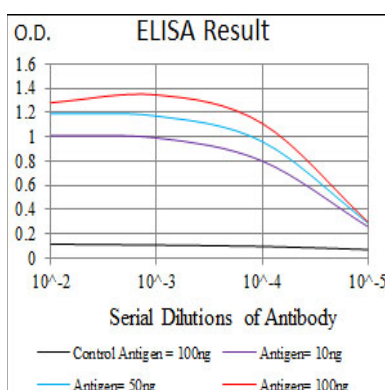


Integrins are heterodimers comprised of alpha and beta subunits, that are noncovalently associated transmembrane glycoprotein receptors. Different combinations of alpha and beta polypeptides form complexes that vary in their ligand-binding specificities. Integrins mediate cell-matrix or cell-cell adhesion, and transduced signals that regulate gene expression and cell growth. This gene encodes the integrin beta 4 subunit, a receptor for the laminins. This subunit tends to associate with alpha 6 subunit and is likely to play a pivotal role in the biology of invasive carcinoma. Mutations in this gene are associated with epidermolysis bullosa with pyloric atresia. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

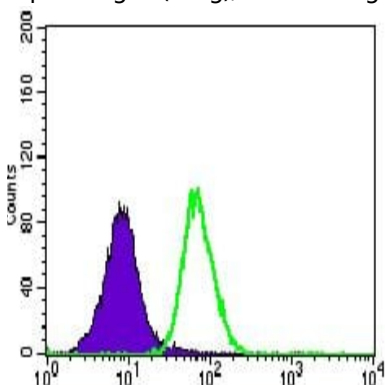
Research Area

PI3K-Akt signaling pathway

Image Data

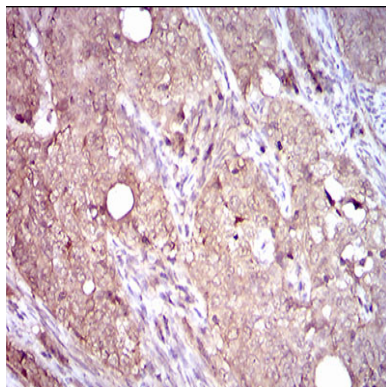


Red: Control Antigen (100ng); Purple:Antigen (10ng); Green: Antigen (50ng);Blue: Antigen (100ng);

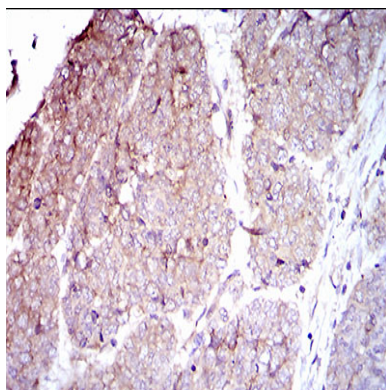


Flow cytometric analysis of A549 cells using ITGB4 mouse mAb (green) and negative control (purple).

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Immunohistochemical analysis of paraffin-embedded cervical cancer tissues using ITGB4 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded esophageal cancer tissues using ITGB4 mouse mAb with DAB staining.

Note

For research use only.