

## ITGB4 Monoclonal Antibody

### Description

<b>Product type</b>	Antibody
<b>Code</b>	BT-MCA4012
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1
<b>Size</b>	100µL, 50µL
<b>Immunogen</b>	Purified recombinant fragment of human ITGB4 (AA: 1619-1822) expressed in E. Coli.
<b>Mol wt</b>	202kDa
<b>Species reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Recommended application</b>	IHC,FCM
<b>Concentration</b>	N/A
<b>Full name</b>	N/A
<b>Synonyms</b>	CD104

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

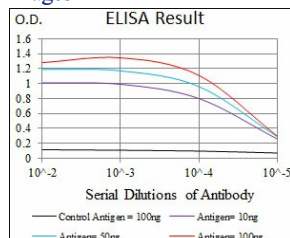
### Background

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.

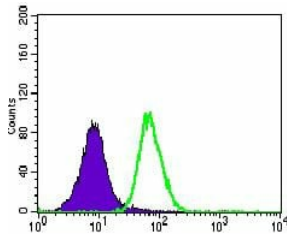
### Recommended Dilution

Not yet tested in other applications.

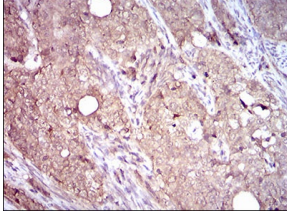
### Images



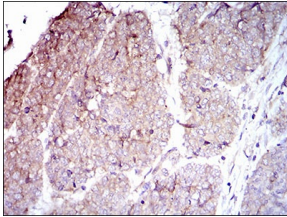
Red: Control Antigen (100ng); Purple:Antigen (10ng); Green: Antigen (50ng);Blue: Antigen (100ng)



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



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.

### Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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