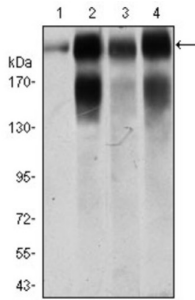
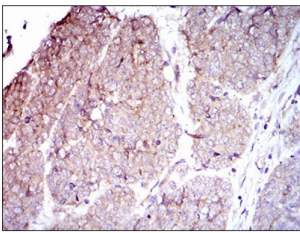


# Integrin Beta 4 (ITGb4) Antibody

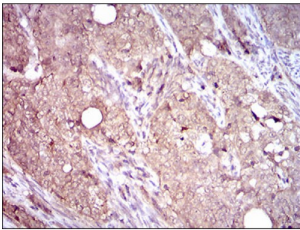
Catalogue No.: abx015900



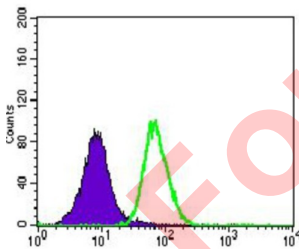
Western blot analysis using ITGB4 antibody against human ITGB4 recombinant protein. (Expected MW is 24 kDa).



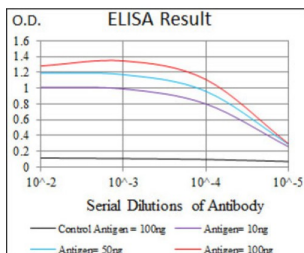
Western blot analysis using ITGB4 antibody against A549 (1), A431 (2), MCF-7 (3) and SW620 (4) cell lysate.



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



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



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

# Datasheet

Version: 4.0.0  
Revision date: 13 Mar 2025



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.

<b>Target:</b>	Integrin Beta 4 (ITGb4)
<b>Clonality:</b>	Monoclonal
<b>Reactivity:</b>	Human
<b>Tested Applications:</b>	ELISA, WB, IHC, FCM
<b>Host:</b>	Mouse
<b>Recommended dilutions:</b>	ELISA: 1/10000, WB: 1/500 - 1/2000, IHC: 1/200 - 1/1000, FCM: 1/200 - 1/400. Optimal dilutions/concentrations should be determined by the end user.
<b>Conjugation:</b>	Unconjugated
<b>Immunogen:</b>	Purified recombinant fragment of human ITGB4 (AA: 1619-1822) expressed in E. coli.
<b>Isotype:</b>	IgG <sub>1</sub>
<b>Form:</b>	Liquid
<b>Purification:</b>	Unpurified ascites.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
<b>UniProt Primary AC:</b>	P16144 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
<b>Gene Symbol:</b>	ITGB4
<b>GeneID:</b>	<a href="#">3691</a>
<b>OMIM:</b>	<a href="#">131800</a>
<b>HGNC:</b>	6158
<b>KEGG:</b>	hsa:3691
<b>Ensembl:</b>	ENSG00000132470

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**String:** [9606.ENSF00000200181](#)

**Molecular Weight:** 202 kDa

**Buffer:** Ascitic fluid containing 0.03% sodium azide.

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only