

# Product Datasheet

## Integrin beta 4/CD104 Antibody (10B10D5) NBP2-37392-0.025ml

Unit Size: 0.025 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-37392-0.025ml**

Integrin beta 4/CD104 Antibody (10B10D5)

**Product Information**

<b>Unit Size</b>	0.025 ml
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	10B10D5
<b>Preservative</b>	0.03% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Unpurified
<b>Buffer</b>	Ascites
<b>Target Molecular Weight</b>	202 kDa

**Product Description**

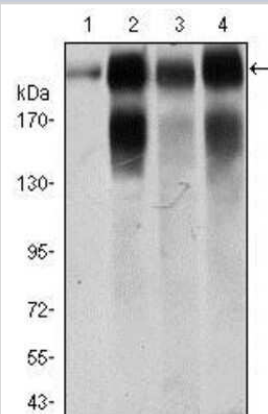
<b>Host</b>	Mouse
<b>Gene ID</b>	3691
<b>Gene Symbol</b>	ITGB4
<b>Species</b>	Human
<b>Immunogen</b>	Purified recombinant fragment of human Integrin beta 4/CD104 (AA: 1619-1822) expressed in E. Coli.

**Product Application Details**

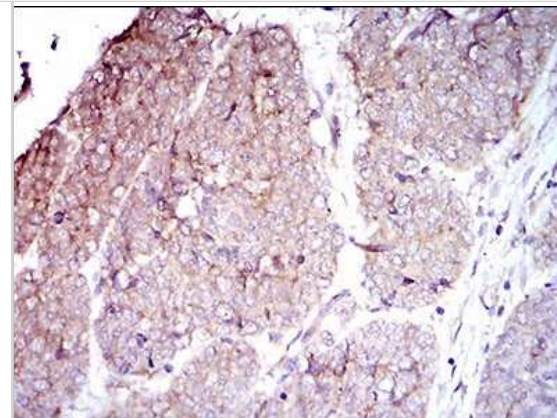
<b>Applications</b>	Western Blot, ELISA, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:500 - 1:2000, Flow Cytometry 1:200 - 1:400, ELISA 1:10000, Immunohistochemistry 1:200 - 1:1000, Immunohistochemistry-Paraffin 1:200 - 1:1000

**Images**

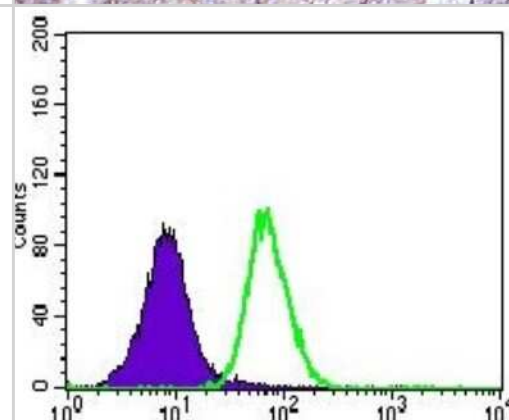
Western Blot: Integrin beta 4/CD104 Antibody (10B10D5) [NBP2-37392]  
 - Analysis using ITGB4 mouse mAb against A549 (1), A431 (2), MCF-7 (3) and SW620 (4) cell lysate.



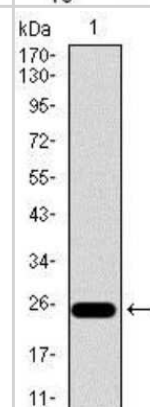
Immunohistochemistry-Paraffin: Integrin beta 4/CD104 Antibody (10B10D5) [NBP2-37392] - Analysis of esophageal cancer tissues using ITGB4 mouse mAb with DAB staining.



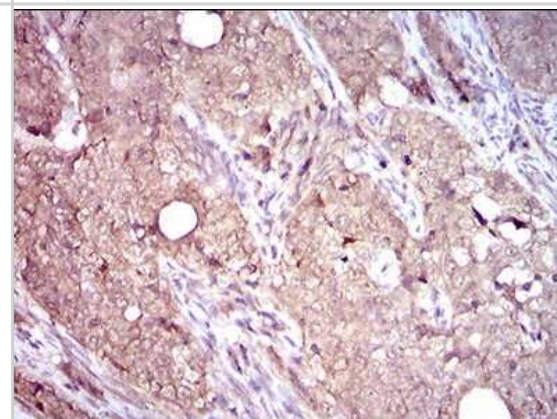
Flow Cytometry: Integrin beta 4/CD104 Antibody (10B10D5) [NBP2-37392] - Analysis of A549 cells using ITGB4 mouse mAb (green) and negative control (purple).



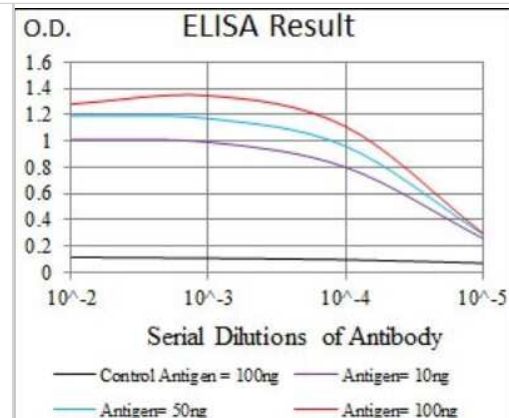
Western Blot: Integrin beta 4/CD104 Antibody (10B10D5) [NBP2-37392] - Analysis using ITGB4 mAb against human ITGB4 recombinant protein. (Expected MW is 24 kDa)



Immunohistochemistry-Paraffin: Integrin beta 4/CD104 Antibody (10B10D5) [NBP2-37392] - Analysis of cervical cancer tissues using ITGB4 mouse mAb with DAB staining.



ELISA: Integrin beta 4/CD104 Antibody (10B10D5) [NBP2-37392] - Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);



## Publications

Hara T, Kasagi Y, Wang J et al. CD73+ epithelial progenitor cells which contribute to homeostasis and renewal are depleted in eosinophilic esophagitis Cellular and molecular gastroenterology and hepatology 2022-01-30 [PMID: 35108658] (IF/IHC, Human)

Zang D, Zhang C, Li C et al. LPPR4 promotes peritoneal metastasis via Sp1/integrin alpha/FAK signaling in gastric cancer Am J Cancer Res 2020-03-01 [PMID: 32266108] (Human)



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### **Products Related to NBP2-37392-0.025ml**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-61461-10ug	Recombinant Human Integrin beta 4/CD104 His Protein

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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