

# Product Datasheet

## Integrin beta 4/CD104 Antibody (439-9B) - BSA Free NBP1-43369-0.1mg

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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### Publications: 3

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**NBP1-43369-0.1mg**

Integrin beta 4/CD104 Antibody (439-9B) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	439-9B
Preservative	0.09% Sodium Azide
Isotype	IgG2b
Purity	Protein A or G purified
Buffer	PBS (pH 7.2)

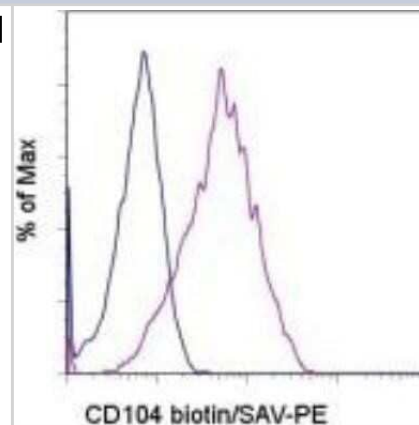
Product Description	
Description	Novus Biologicals Rat Integrin beta 4/CD104 Antibody (439-9B) - BSA Free (NBP1-43369) is a monoclonal antibody validated for use in IHC, WB, Flow and IP. Anti-Integrin beta 4/CD104 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rat
Gene ID	3691
Gene Symbol	ITGB4
Species	Human, Bovine
Immunogen	The immunogen for this antibody was CD104.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
Recommended Dilutions	Western Blot 1:100-1:2000, Flow Cytometry &lt; = 1 ug/10 <sup>6</sup> cells in 100 ul, Immunohistochemistry 1:10-1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500
Application Notes	For WB, use under non-reducing conditions.

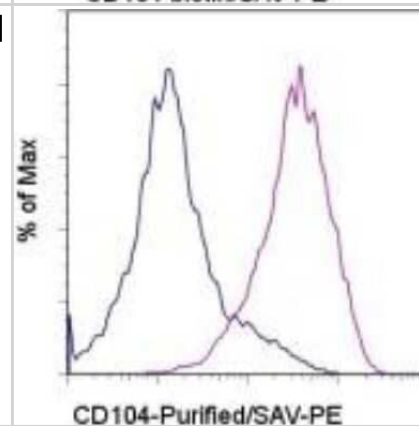


## Images

Flow Cytometry: Integrin beta 4/CD104 Antibody (439-9B) [NBP1-43369]  
 - Analysis using the Biotin conjugate of NBP1-43369. Staining of the A549 cell line with 0.125 ug of Rat IgG2b k Isotype Control Biotin (open histogram) or 0.125 ug of Anti-Human CD104 (Integrin BETA 4) Biotin (filled histogram) followed by Streptavidin PE.



Flow Cytometry: Integrin beta 4/CD104 Antibody (439-9B) [NBP1-43369]  
 - Staining of the A549 cell line with 0.5 ug of Rat IgG2b k Isotype Control Purified (open histogram) or 0.5 ug of Anti-Human CD104 (Integrin beta 4) Purified (filled histogram) followed by Anti-Rat IgG Biotin and Streptavidin PE. Total viable cells were used for analysis.



## Publications

Graves CL, Harden SW, LaPato M et al. A method for high purity intestinal epithelial cell culture from adult human and murine tissues for the investigation of innate immune function J Immunol Methods 2014-12-01 [PMID: 25193428]

### Details:

This citation used the Biotin version of this antibody.

Li Y, Moretto-Zita M, Leon-Garcia S, Parast Mm. p63 Inhibits Extravillous Trophoblast Migration and Maintains Cells in a Cytotrophoblast Stem Cell-Like State. Am. J. Pathol. 2014-10-07 [PMID: 25307348]

Tra WM, Tuk B, van Neck JW et al. Tissue-engineered mucosa is a suitable model to quantify the acute biological effects of ionizing radiation. Int J Oral Maxillofac Surg 2013-04-11 [PMID: 23583647] (IF/IHC, Human)



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### **Products Related to NBP1-43369-0.1mg**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
NB7115	Goat anti-Rat IgG (H+L) Secondary Antibody [HRP]
DDXCR03	Rat IgG2b Isotype Control

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### **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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