

# Product Datasheet

## VCAM-1/CD106 Antibody (MR106) - BSA Free NBP1-43368-0.025mg

Unit Size: 0.025 mg

Store at 4C. Do not freeze.

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**NBP1-43368-0.025mg**

VCAM-1/CD106 Antibody (MR106) - BSA Free

Product Information	
Unit Size	0.025 mg
Concentration	0.5 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	MR106
Preservative	0.09% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	PBS (pH 7.2)

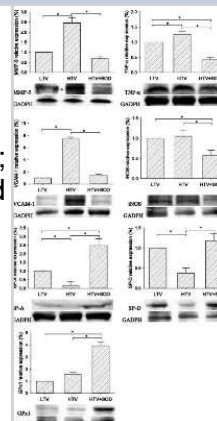
Product Description	
Description	Novus Biologicals Mouse VCAM-1/CD106 Antibody (MR106) - BSA Free (NBP1-43368) is a monoclonal antibody validated for use in IHC, WB, Flow and IP. Anti-VCAM-1/CD106 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	7412
Gene Symbol	VCAM1
Species	Rat
Reactivity Notes	This antibody is reactive to Rat.
Immunogen	The immunogen for this antibody was CD106.

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
Recommended Dilutions	Western Blot 1:100-1:2000, Flow Cytometry 1:10-1:1000, Immunohistochemistry 1:10-1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500
Application Notes	This MR106 antibody has been tested by flow cytometric analysis of rat bone marrow cells. This can be used at less than or equal to 0.5 ug per test. Cell number should be determined empirically but can range from 10 <sup>5</sup> to 10 <sup>8</sup> cells/test.

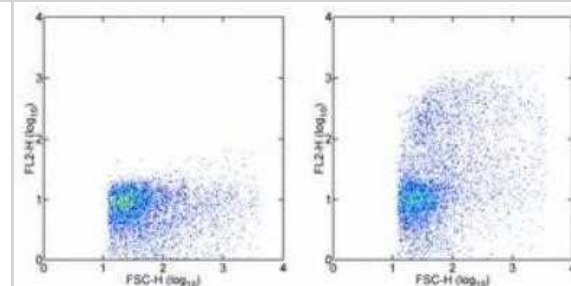


## Images

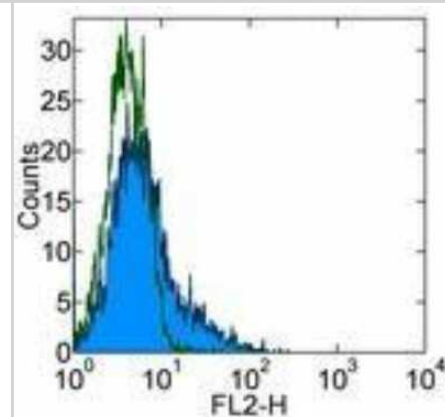
Western Blot: VCAM-1/CD106 Antibody (MR106) [NBP1-43368] - Western blot analyses of protein expressions of glutathione peroxidase-1 (GPx1), vascular cell adhesion molecule 1 (VCAM-1), inducible nitric oxide (iNOS), nuclear factor (NF- $\kappa$ B), matrix metalloproteinase-9 (MMP-9), and surfactant protein A and D (SP-A and SP-D) in lung (n = 3; \* and # signify P < 0.05 and P < 0.001, respectively) Image collected and cropped by CiteAb from the following publication (<https://bmcpulmed.biomedcentral.com/articles/10.1186/s12890-017-0448-9>), licensed under a CC-BY license.



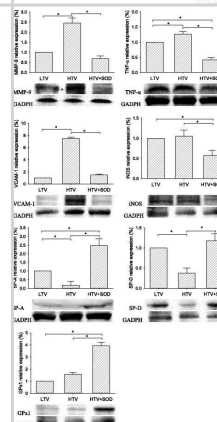
Flow Cytometry: VCAM-1/CD106 Antibody (MR106) [NBP1-43368] - Analysis using the Biotin conjugate of NBP1-43368. Staining of rat bone marrow cells with 0.125 ug of Mouse IgG1 kappa Isotype Control Biotin (left) or 0.125 ug of Anti-Rat CD106 (VCAM-1) Biotin (right) followed by Streptavidin PE.



Flow Cytometry: VCAM-1/CD106 Antibody (MR106) [NBP1-43368] - Staining of rat bone marrow cells with 0.25 ug of Mouse IgG1 kappa Isotype Control Purified (open histogram) or 0.25 ug of Anti-Rat CD106 (VCAM-1) Purified (filled histogram) followed by Anti-Mouse IgG Biotin and Streptavidin PE. Cells in the large scatt



Western blot analyses of protein expressions of glutathione peroxidase-1 (GPx1), vascular cell adhesion molecule 1 (VCAM-1), inducible nitric oxide (iNOS), nuclear factor (NF- $\kappa$ B), matrix metalloproteinase-9 (MMP-9), and surfactant protein A and D (SP-A and SP-D) in lung (n = 3; \* and # signify P < 0.05 and P < 0.001, respectively)



## Publications

Wu NC, Liao FT, Cheng HM et al. Intravenous superoxide dismutase as a protective agent to prevent impairment of lung function induced by high tidal volume ventilation BMC Pulm Med 2017-07-26 [PMID: 28747201] (WB, Rat)



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### **Products Related to NBP1-43368-0.025mg**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

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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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