

# 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**

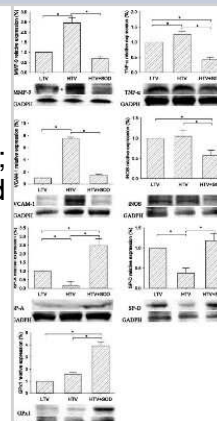
VCAM-1/CD106 Antibody (MR106) - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.025 mg
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	MR106
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG1 Kappa
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	PBS (pH 7.2)
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	7412
<b>Gene Symbol</b>	VCAM1
<b>Species</b>	Rat
<b>Reactivity Notes</b>	This antibody is reactive to Rat.
<b>Immunogen</b>	The immunogen for this antibody was CD106.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
<b>Recommended Dilutions</b>	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
<b>Application Notes</b>	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.

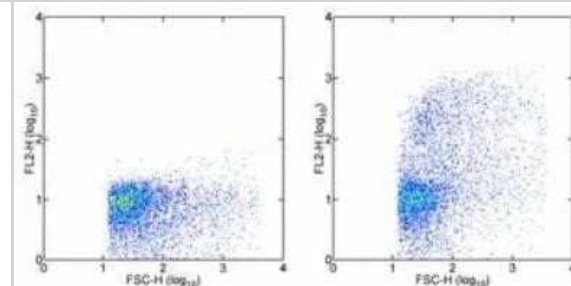


## Images

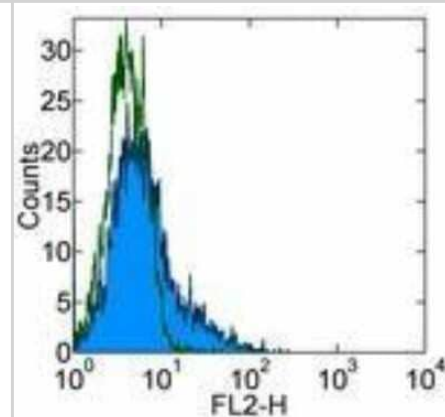
Western Blot: VCAM-1/CD106 Antibody (MR106) [NBP1-43368] - Western blot analyses of protein expressions of glutathione peroxidase-1 (GPx1), vascular cell adhesion molecule 1 (VCAM-1), inducible nitric oxide (iNOS), nuclear factor (NF-kappaB), matrix metalloproteinase-9 (MMP-9), and surfactant protein 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.



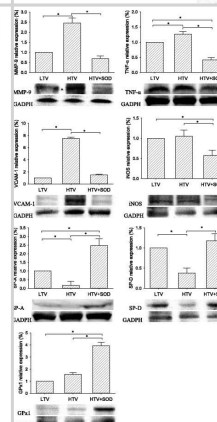
Flow Cytometry: VCAM-1/CD106 Antibody (MR106) [NBP1-43368] - Analysis using the Biotin conjugate of NBP1-43368. Staining of rat bone marrow cells with 0.125 ug of Mouse IgG1 kappa Isotype Control Biotin (left) or 0.125 ug of Anti-Rat CD106 (VCAM-1) Biotin (right) followed by Streptavidin PE.



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-κB), 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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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-38223PEP	VCAM-1/CD106 Recombinant Protein Antigen

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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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