# **Product Datasheet**

## VCAM-1/CD106 Antibody (6G9) - BSA Free NBP1-47491

Unit Size: 0.1 ml

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



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#### NBP1-47491

VCAM-1/CD106 Antibody (6G9) - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	6G9
Preservative	0.03% Sodium Azide
Isotype	IgG1
Purity	Ammonium sulfate precipitation
Buffer	PBS
Target Molecular Weight	81 kDa
Product Description	
Host	Mouse
Gene ID	7412
Gene Symbol	VCAM1
Species	Human, Mouse
Reactivity Notes	Use in Mouse reported in scientific literature (PMID: 32243809).
Immunogen	This VCAM-1/CD106 Antibody (6G9) was developed against a purified recombinant fragment of human VCAM-1 expressed in E. coli. [Uniprot: P19320]
Product Application Details	
Applications	Western Blot, Simple Western, ELISA, Immunoblotting, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:2000, Simple Western 1:1000, ELISA 1:10000, Immunohistochemistry 1:200-1:1000, Immunoprecipitation reported in scientific literature (PMID 28569748), Immunohistochemistry-Paraffin 1:200-1:1000, Immunoblotting reported in scientific literature (PMID 28569748)
Application Notes	In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See <u>Simple Western Antibody Database</u> for Simple Western validation: Tested in HUVEC lysate 0.5 mg/mL, separated by Size, antibody dilution of 1:1000, apparent MW was 56 kDa. Separated by Size-Wes, Sally Sue/Peggy Sue.



#### Images





Immunohistochemistry: VCAM-1/CD106 Antibody (6G9) [NBP1-47491] -Breast carcinoma, cytoplasmic staining. IHC image submitted by a verified customer review.

47491] - FFPE section of human lung cancer. Image at 20X

magnification. IHC-P image submitted by a verified customer review.





Simple Western: VCAM-1/CD106 Antibody (6G9) [NBP1-47491] - Lane view shows a specific band for CD106/VCAM1 in 0.5 mg/mL of HUVEC lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.

Photomicrographs of two separate gut sections from a patient with EHEC C colitis.Panels (A) and (B) are stained with CD31 to enumerate endothelium lining the vessels (40× magnification). (C) and (D) are stained to show VCAM-1 expression in endothelium, indicating inflammatory activation (40× magnification).





Page 4 of 5 v.20.1 Updated 2/17/2025 Rejecting (mild)

Rejecting (severe)

Non-diseased



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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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