

# Product Datasheet

## VCAM-1/CD106 Antibody (SA05-04) NBP2-67292

Unit Size: 100 ul

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

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### Publications: 1

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**NBP2-67292**

VCAM-1/CD106 Antibody (SA05-04)

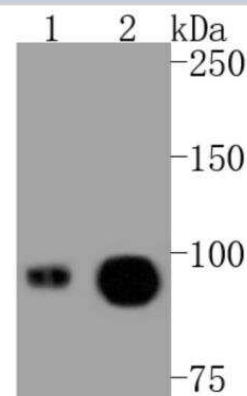
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	SA05-04
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	7412
Gene Symbol	VCAM1
Species	Human, Mouse, Rat, Zebrafish
Immunogen	Synthetic peptide within Human VCAM-1/CD106 aa 690-739 / 739. (SwissProt: P19320 Human; SwissProt: P29533 Mouse; SwissProt: P29534 Rat)

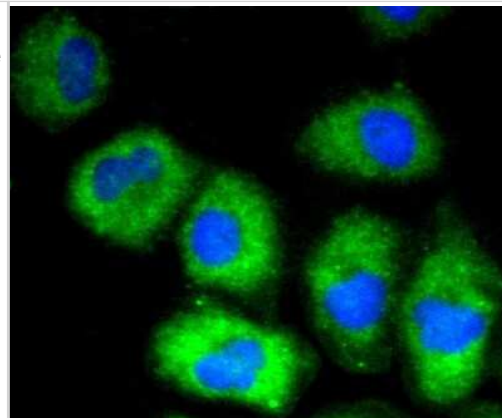
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:5000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunoprecipitation, Immunohistochemistry-Paraffin 1:200
Application Notes	IP - assay-dependent

**Images**

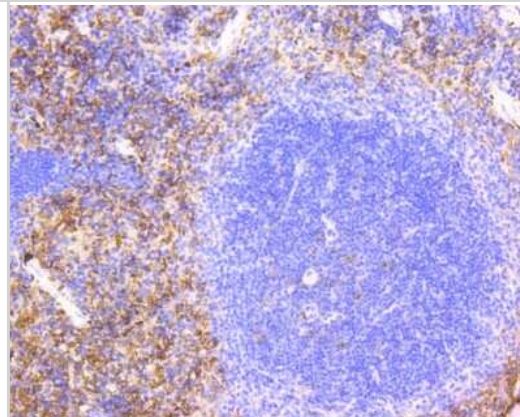
Western Blot: VCAM-1/CD106 Antibody (SA05-04) [NBP2-67292] - Analysis of VCAM1 on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature. Positive control: Lane 1: NIH/3T3 cell lysate Lane 2: human spleen tissue lysate



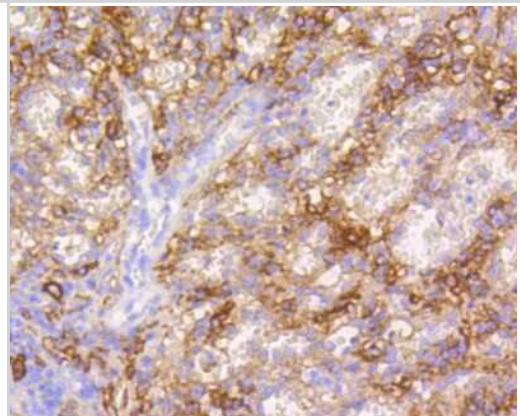
Immunocytochemistry/Immunofluorescence: VCAM-1/CD106 Antibody (SA05-04) [NBP2-67292] - Staining VCAM1 in HUVEC cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



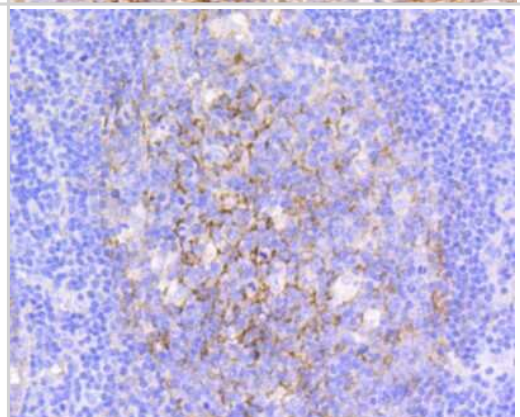
Immunohistochemistry-Paraffin: VCAM-1/CD106 Antibody (SA05-04) [NBP2-67292] - Immunohistochemical analysis of paraffin-embedded mouse spleen tissue using anti-VCAM-1/CD106 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA



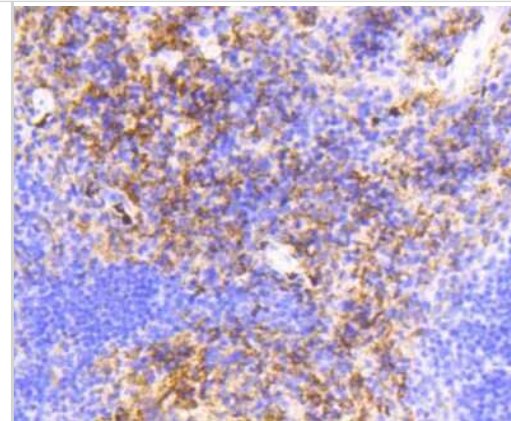
Immunohistochemistry-Paraffin: VCAM-1/CD106 Antibody (SA05-04) [NBP2-67292] - Analysis of paraffin-embedded human spleen tissue using anti-VCAM1 antibody. Counter stained with hematoxylin.



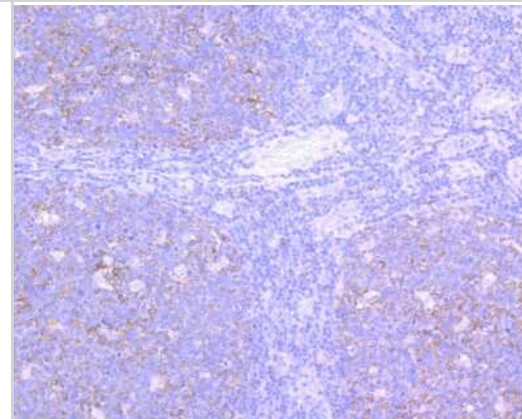
Immunohistochemistry-Paraffin: VCAM-1/CD106 Antibody (SA05-04) [NBP2-67292] - Analysis of paraffin-embedded human tonsil tissue using anti-VCAM1 antibody. Counter stained with hematoxylin.



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Immunohistochemistry-Paraffin: VCAM-1/CD106 Antibody (SA05-04) [NBP2-67292] - Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-VCAM-1/CD106 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA



## Publications

Buijers B, Maciej-Hulme M, Jacobs M et al. Glycosaminoglycans and fucoidan have a protective effect on experimental glomerulonephritis *Frontiers in molecular biosciences* 2023-07-05 [PMID: 37475889] (IHC-Fr, Mouse)



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### **Products Related to NBP2-67292**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-55858PEP	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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