

# Product Datasheet

## VCAM-1/CD106 Antibody (B-K9) [Janelia Fluor® 585] NBP2-47864JF585

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-47864JF585**

VCAM-1/CD106 Antibody (B-K9) [Janelia Fluor® 585]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	B-K9
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Conjugate	Janelia Fluor 585
Purity	Protein A or G purified
Buffer	50mM Sodium Borate
Product Description	
Host	Mouse
Gene ID	7412
Gene Symbol	VCAM1
Species	Human, Rat
Reactivity Notes	Use in Rat reported in scientific literature (PMID:32152303).
Marker	Activated Endothelial Cell Marker
Specificity/Sensitivity	Recognizes a protein of 110kDa, identified as CD106 (also known as vascular cell adhesion molecule-1 (VCAM-1) and INCAM-100). CD106 is a member of the Ig superfamily of adhesion molecules and is expressed at high levels on cytokine stimulated vascular endothelial cells, and at minimal levels on un-stimulated endothelial cells. It is also present on follicular and inter-follicular dendritic cells of lymph nodes, myoblasts, and some macrophages. CD106 serves as a ligand for leukocyte integrin (VLA-4 or CD49d/CD29) and mediates cell adhesion of leukocytes to activated endothelium. It plays a role in various immunological and inflammatory responses. This monoclonal antibody inhibits the binding of leukocytes to VCAM-1 on stimulated endothelial cells.
Immunogen	Activated human umbilical vein endothelial cells (HUVEC)
Notes	Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.
Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, CyTOF-ready, Immunofluorescence
Recommended Dilutions	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunofluorescence, CyTOF-ready
Application Notes	Optimal dilution of this antibody should be experimentally determined.





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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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