CD106 / VCAM1 (Activated Endothelial Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone B-K9]

Catalog No	Format	Size
7412-MSM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
7412-MSM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
7412-MSM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

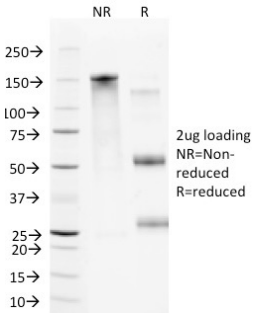
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

Product Details

Clone	B-K9
Gene Name	VCAM1
Immunogen	Activated human umbilical vein endothelial cells (HUVEC)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	110kDa
Cellular Localization	Membrane
Species Reactivity	Human
Positive Control	Human placenta or tonsil.

**Optimal dilution for a specific application should be determined.*

Product Images for CD106 / VCAM1 (Activated Endothelial Cell Marker) Antibody



SDS-PAGE Analysis of Purified CD106 Mouse Monoclonal antibody (B-K9).
Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

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 MAb inhibits the binding of leukocytes to VCAM-1 on stimulated endothelial cells.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

BBB VCAM-1 Signaling, Cardiovascular, Cytokine Signaling, Endothelial Cell Marker, Hypoxia, Immunology, Mesenchymal Stem Cell Differentiation, Stem Cell Differentiation

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.