Category:	Cat. #	Product Name:
Monoclonal Antibodies	V7108-1	**CD106 (VCAM-1)**

Description:
Monoclonal Mouse Anti-Human CD106 (VCAM-1)

Immunogen:
Activated umbilical cord vein endothelial cells (HUVEC)

Cellular Localization:
Cell membrane

Application:
Flow Cytometry (Ref. #1)
IF(Ref #1)
IHC--not suitable

Species Reactivity:
Human (1), Others not tested.

Recommended Positive Control:
Human endothelial cells treated with TNF alpha for 24 hours.

Presentation:
20 mM tris-borate, 150 mM Sodium Chloride, dialyzed media RPMI 1640/D-MEM containing fetal bovine serum, BMC-6 carrier polysaccharides, carrier protein, and 0.05% Sodium Azide, pH 7.5.

Aliquoting Instructions:
Do not dilute the entire reconstituted solution at once. Withdraw aliquots as needed with a micropipette and keep concentrated stock at 4° C. Dilute according to the particular application being used. In general, the 0.05M borate pH 8.0 containing 0.15M sodium chloride, 0.02% sodium azide, is a good dilutent to use with most antibodies.

Specificity:
This antibody reacts with CD106 (VCAM-1), a 100-110kD member of the immunoglobulin superfamily containing seven Ig repeats, cytoplasmic tail, and a transmembrane domain. A function of CD106 is to provide a costimulation signal in T cell activation.

Storage:
Store at 2~8o C for short term, freeze under -20oC for long term storage.

Size: 0.2mg
Clone: B495 (B-K9)
Isotype: IgG1, kappa
Host: Mouse
Form: Purified
Concentration: 0.5 mg/ml
Units On Hand: YES

References:
1. Huang, M.J. etal, Expression of vascular cell adhesion molecule-1 by follicular dendritic cells, Leuk. Lymphoma 18:259-264, 1995.
2. Bevilacqua, M.P., Endothelial-leukocyte adhesion molecules, Annu. Rev. Immunol. 11:767-804, 1993.
3. Schlossman, S.F. etal, Leukocyte Typing V, Oxford University Press: 1764-1767, 1995.

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