



**Category:**  
Monoclonal Antibodies

**Cat. #**  
V7108-2

**Product Name:**  
**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 diluent 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:** U203 (CD106)  
**Isotype:** IgG1  
**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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