

## VCAM-1 Monoclonal Antibody

### **ORDERING INFORMATION**

**Catalog No.:** 42005 (clone 1.G1b1)  
**Size:** 100ug Protein G-purified antibody in phosphate-buffered saline, pH 7.4.

### **SPECIFICATION SUMMARY**

**Antigen:** CD106-positive cells.  
**Host Species:** Mouse  
**Antibody Class:** IgG1  
**Stabilizers:** None  
**Preservatives:** 0.1% sodium azide

### **SPECIFICITY**

This antibody recognizes CD106-positive cells. CD106 is a member of the immunoglobulin superfamily of cell surface receptors. It is also known as VCAM-1 and INCAM-110. It is expressed primarily on cytokine-activated vascular endothelial cells but has also been identified on interfollicular dendritic cells, macrophages and bone marrow stromal cells. VCAM-1 binds the integrins  $\alpha 4\beta 1$  (VLA-4) and  $\alpha 4\beta 7$  and contributes to extravasation of lymphocytes, monocytes, basophils and eosinophils from blood vessels.

### **APPLICATIONS**

*Flow cytometry:* use at 0.5-1ug/10<sup>6</sup> cells.  
*Immunohistochemistry:* use at 0.5-2ug/ml  
*ELISA:* use at 0.5-2ug/ml

### **DILUTION INSTRUCTIONS**

Dilute in PBS or medium which is identical to that used in the assay system.

### **STORAGE AND STABILITY**

Store at 2-8°C.

*For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.*