

**ANTIGENIX AMERICA Inc.**  
**1-800-558-1008**  
**PRODUCT INFORMATION SUMMARY**

**ANTI-MOUSE VCAM-1**

Purified Antibody  
Fluorescein Conjugate  
Phycoerythrin Conjugate  
Fluorescein Conjugate  
Phycoerythrin Conjugate

Product Number	RA140020	0.25 mg
Product Number	RA140030	100 tests
Product No.	RA140070	100 tests
Product Number	RA140035	50 tests
Product No.	RA140075	50 tests

**ANTIGEN DISTRIBUTION AND SPECIFICITY:**

Murine VCAM-1 (Vascular Cell Adhesion Molecule) is a single chain glycoprotein of molecular weight 100 kDa under reducing conditions. VCAM-1 is present on the stromal cell clone 2.4 (also found on EOMA and BMS2 endothelial cell lines), large cells in bone marrow, and a subset of thymic macrophages. This monoclonal antibody reacts with all known isoforms of murine VCAM-1, and will inhibit lymphopoiesis in long-term marrow cultures.

**CLONE:**

Rat monoclonal antibody clone MK-2.  
Immunoglobulin chain composition: RAT IgG1, Kappa.

**CONJUGATION:**

Fluorescein isothiocyanate; Biotin ester; R-Phycoerythrin.

**HANDLING AND STORAGE:**

All forms of this monoclonal antibody are supplied as 1.0 mL of ready to use liquid. Fluorochrome conjugates should be protected from prolonged exposure to light. These reagents are in a medium containing 0.01M phosphate-buffered saline, 0.2% gelatin and 0.1% sodium azide. All reagents in a liquid state should be stored at 2-8° C when not in use.

**PRODUCT USE:**

For flow cytometry **use 10uL per test**. For immunohistochemistry, use enough diluted reagent to cover the tissue section or cytoprep. Working dilution should be optimized, suggested range is 1:20- 1:80.

**RESEARCH APPLICATIONS:**

Identification of VCAM-1 bearing cells in Mouse bone marrow and lymphoid tissue.  
Studies of cell adhesion.

**Inhibition of lymphopoiesis**

Immunoprecipitation of VCAM-1 complex

**CAUTION:**

Reagents contain sodium azide, a preservative which may react with lead joints in copper drain lines to form explosive compounds. Even though reagents contain minute quantities of sodium azide, drains should be thoroughly flushed with water when reagents are discarded.

**WARRANTY:**

Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the product label description.

**FOR RESEARCH USE ONLY. NOT INTENDED FOR THERAPEUTIC OR DIAGNOSTIC USE.**