

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

### **ANTI-MOUSE VLA-4**

Purified Antibody	Product Number	RA180020	0.25 mg
Fluorescein Conjugate	Product Number	RA180030	100 tests
Phycoerythrin Conjugate	Product No.	RA180070	100 tests
Fluorescein Conjugate	Product Number	RA180035	50 tests
Phycoerythrin Conjugate	Product Mo.	RA180075	50 tests

#### **ANTIGEN DISTRIBUTION AND SPECIFICITY:**

The Alpha 4 Chain of the VLA-4 integrin heterodimer, with a molecular weight of 150 kDa. This monoclonal antibody recognizes VLA-4 on virtually all bone marrow cells of lymphoid and myeloid origin. Long term cultures of murine myeloid cells (Dexter-type) and lymphoid cells (Whitlock-White) are also positive. **Inhibition** of lymphopoiesis and myelopoiesis in cell cultures has been achieved using this antibody. Cross reactivity with Human VLA-4 has been reported.

#### **CLONE:**

Rat monoclonal antibody clone PS2.  
Immunoglobulin chain composition: RAT IgG2b, 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 1:50- 1:80.

#### **RESEARCH APPLICATIONS:**

Identification of VLA-4 bearing cells in Mouse bone marrow and lymphoid tissue.

Studies of cell adhesion in murine model.

#### **Inhibition of lymphopoiesis and myelopoiesis.**

Immunohistochemistry and flow cytometry.

Immunoprecipitation of VLA-4 integrin complex.

**Identification of Human VLA-4.** (cross reactivity)

#### **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.**