

ANTIGENIX AMERICA, INC.

PRODUCT INFORMATION SUMMARY

ANTI-MOUSE VLA-4 (CD49D)

Purified Antibody	Product Number	RM494420	0.25 mg
Fluorescein Conjugate	Product Number	RM494435	50 tests
Phycoerythrin Conjugate	Product Mo.	RM494475	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 (CD49D) 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.

HANDLING AND STORAGE:

All forms of this monoclonal antibody are supplied as 1.0 mL of ready to use liquid (0.5 mL for 50-test conjugates). 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-20uL 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.

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

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