

## PRODUCT INFORMATION SUMMARY

### ANTI-CD49b (VLA-Alpha-2)

M492220	Purified	0.1 mg
M492230	FITC	100 tests
M492235	FITC	50 tests
M492270	Phycoerythrin	100 tests
M492275	Phycoerythrin	50 tests

#### ANTIGEN DISTRIBUTION AND SPECIFICITY:

The human CD49b antigen is the VLA Alpha-2 chain which is associated with the CD29 molecule in the VLA-2 complex. Also known as the collagen receptor, it is a 170 kDa molecule. It is expressed on platelets, approximately 50% of monocytes, activated T cells, and endothelial cells. This antibody will induce homotypic aggregation.

#### CLONE:

ANTIGENIX AMERICA clone AK7

Immunoglobulin chain composition: Mouse IgG1

#### CONJUGATION:

Fluorescein isothiocyanate;

#### HANDLING AND STORAGE:

All forms are supplied as 1.0 mL (0.5 mL for 50-test) of liquid. Fluorochromes should be protected from prolonged exposure to light. Reagents will be in a medium containing 0.01M phosphate-buffered saline, pH 7.4, 0.2% gelatin and 0.1% sodium azide. These preparations should be diluted in a protein-containing or other stabilizing medium to a concentration suitable for use in specific protocols. All reagents in a liquid state should be stored at 2-8° C when not in use.

#### PRODUCT USE:

Use **10 uL per test** to stain no more than one million cells.; For immuno-histochemistry, purified Anti-CD49b should be diluted, using enough reagent to cover the tissue section or cytoprep.

**RESEARCH APPLICATIONS:**

- \* Cell Adhesion studies of CD29/CD49 complex
- \* Flow cytometry and FACS analysis
- \* Studies of alloantibodies to human VLA-2

**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 description on the label of the product.

**ANTIGENIX AMERICA Inc.  
P.O. Box 2666  
Huntington Sta., NY 11746**

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DIAGNOSTIC USE.**