

## PRODUCT INFORMATION SUMMARY

### ANTI-CD49D (VLA-Alpha-4)

M494420	Purified	0.1 mg
M494430	FITC	100 tests
M494470	R-PE	100 tests

#### ANTIGEN DISTRIBUTION AND SPECIFICITY:

The human CD49D antigen is the VLA Alpha-4 chain which is associated with the CD29 molecule in the VLA-4 complex. Also known as the lymphocyte homing receptor, it is a 150 kDa molecule. It is expressed on lymphocytes, monocytes, Langerhans cells, ALL and AML cells. Reactivity with human kidney and brain tissue sections has not been observed. This antibody will induce homotypic aggregation.

#### CLONE:

ANTIGENIX AMERICA clone H6  
Clone BU49 R-PE conjugate  
Immunoglobulin chain composition: Mouse IgG1

Immunogen: pre-B cell leukemia

**CONJUGATION:** Fluorescein isothiocyanate; R-PE

#### HANDLING AND STORAGE:

All forms are supplied as 1.0 mL 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-CD49D should be diluted, using enough reagent to cover the tissue section or cytoprep.

**RESEARCH APPLICATIONS:**

- \* Immunoprecipitation of CD49D antigen
- \* Cell Adhesion studies of CD29/CD49 heterodimers
- \* Flow cytometry and FACS analysis

**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.

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W E B S I T E : W W W . A N T I G E N I X . C O M

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