

PRODUCT INFORMATION SUMMARY

Anti-CD49E (VLA-5)

M490020	Purified	0.1	mg
M490030	FITC	100	tests
M490035	FITC	50	tests
M490070	Phycoerythrin	100	tests
M490075	Phycoerythrin	50	tests

ANTIGEN DISTRIBUTION AND SPECIFICITY:

The CD49E antigen is the VLA-5 (alpha 5) integrin chain, which can form complexes with the CD29 antigen, resulting in the VLA-5 complex. This complex (alpha 5-Beta 1) is expressed on human platelets, monocytes and weakly on T cells and granulocytes.

CLONE:

Clone SAM-1 Derived from hybridization of murine myeloma (SP2/O) cells with spleen cells from BALB/c mice immunized with U937 cells. Purified from murine ascites fluid by ion exchange chromatography.

Immunoglobulin chain composition: Mouse IgG2b

CONJUGATION: R-Phycoerythrin, FITC

HANDLING AND STORAGE:

All forms are supplied as 1.0 mL of liquid (0.5 mL for 50-test version). 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:

For flow cytometry use **10 uL per test**; For immunohistochemistry, purified Anti-CD49E should be diluted, using enough reagent to cover the tissue section or cytoprep.

RESEARCH APPLICATIONS:

Functional Studies - this antibody inhibits platelet adhesion to fibronectin.

Flow cytometric analysis of platelet VLA-5 and cell adhesion.

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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