

## PRODUCT INFORMATION SUMMARY

### ANTI-CD29 (Integrin Beta 1)

MA290020	Purified	0.1	mg
MA290030	FITC	100	tests
MA290070	Phycoerythrin	100	tests

#### ANTIGEN DISTRIBUTION AND SPECIFICITY:

The human CD29 antigen is a cell surface marker expressed on lymphocytes. This marker has molecular weight of 130 kDa and is also known as the Integrin Beta-1 chain (VLA-Beta 1 chain) and the fibronectin receptor. This molecule can complex with the six (6) different VLA Alpha chains (CD29/CD49 complex). Not expressed on erythrocytes and stains weakly on granulocytes.

<b>DISTRIBUTION:</b>	T cells	40% +/- 10%
	B cells	20% +/- 5%
	CD4+ cells	40% +/- 20%
	CD8+ cells	40% +/- 15%

**CLONE:** ANTIGENIX AMERICA clone M29

Immunoglobulin chain composition: Mouse IgG1

#### CONJUGATION:

FITC, R-PE

#### HANDLING AND STORAGE:

Conjugates supplied as 1.0 mL of liquid, purified as 100 ug/mL. 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.

**Unconjugated form** (purified) only, may be frozen in small aliquots for long-term storage. Avoid freeze-thaw cycles.

**PRODUCT USE:**

Use 10 uL per test to stain no more than one million cells.;

**RESEARCH APPLICATIONS:**

- \* Studies of cell matrix adhesion
- \* Flow cytometric analysis of CD29 bearing cells.
- \* Immunoprecipitation of CD29 antigen complex

**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

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