

## Mouse Anti Human CD29 Purified

### PRODUCT INFORMATION

**CLONE:** HI29a  
**ISOTYPE:** Mouse IgG1  
**CATALOG#:** A6501/A6501-bulk  
**CONTENTS:** Purified antibody buffered in 10mM PBS (PH 7.0) with 0.1% NaN<sub>3</sub>.

### DESCRIPTION

CD29 McAb recognizes a transmembrane glycoprotein-130 KD integrin  $\beta$ 1 subunit which is as the common  $\beta$ 1 chain of the very late antigen (VLA) forming a non-covalent heterodimeric complex with one of nice distinct integrins  $\alpha$  subunits. CD29 is called VLA- $\beta$  chain or platelet GPIIa, and has a broad tissue distribution including lymphocytes, monocytes, platelets, fibroblasts, endothelial cells and weakly on granulocytes, but not on erythrocytes. CD29 is an important adhesion molecule involved cell-cell and cell-extracellular matrix interactions and plays a critical role in the functional activity of lymphocytes by influencing cellular migration patterns as well as by transducing intracellular signals that influence lymphocyte function.

### PREPARATION

The monoclonal antibody is purified from ascites by protein G affinity chromatography.

### USAGE

The purified reagent is effective for indirect immunofluorescence staining of human cells for flow cytometric analysis.

### STORAGE

Store at 4°C. For long-term storage aliquot and store at -20°C. Avoid freeze and thaw cycles.

Use For Research Only